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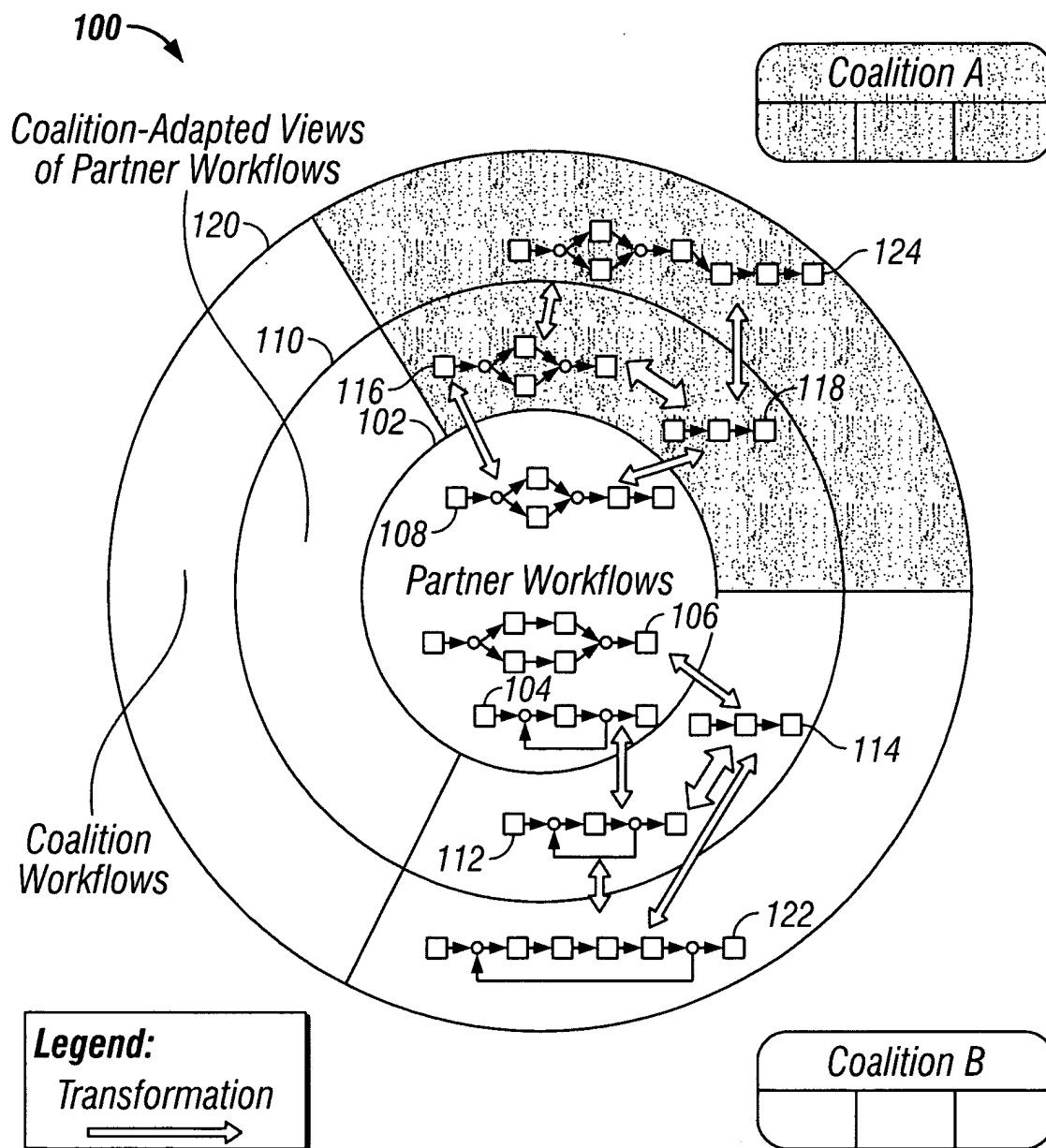


FIG. 1

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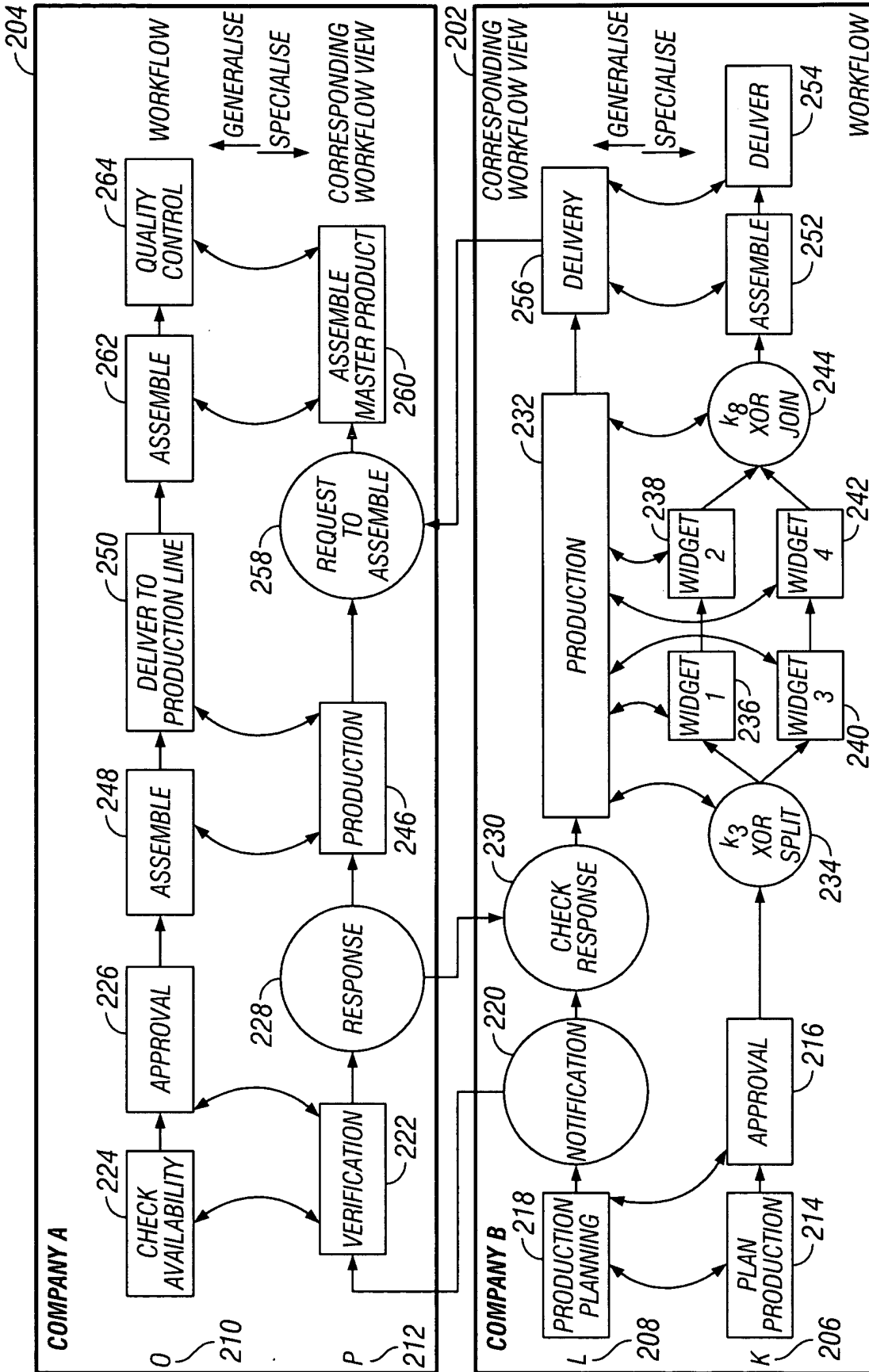
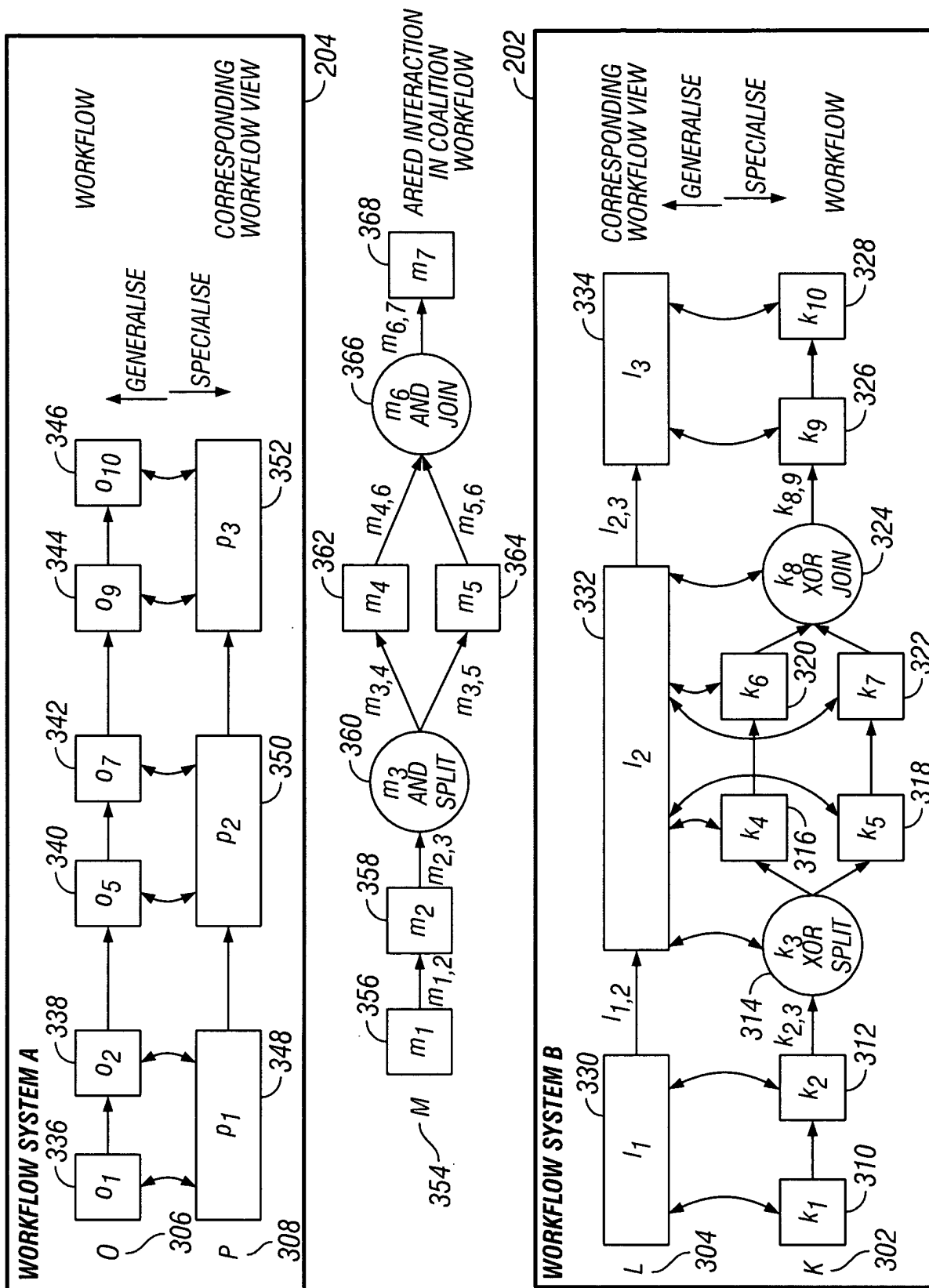


FIG. 2

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FIG. 3



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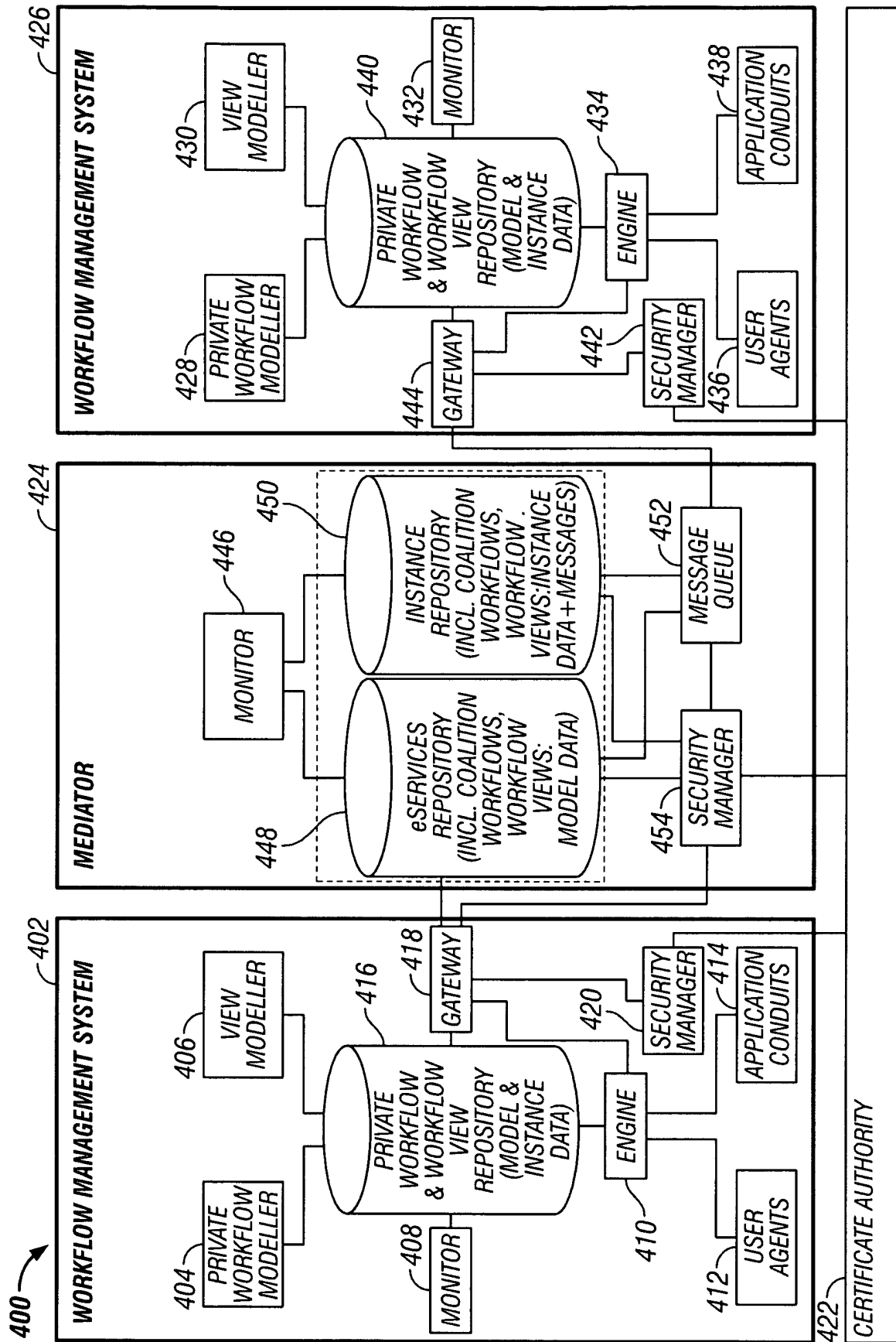


FIG. 4

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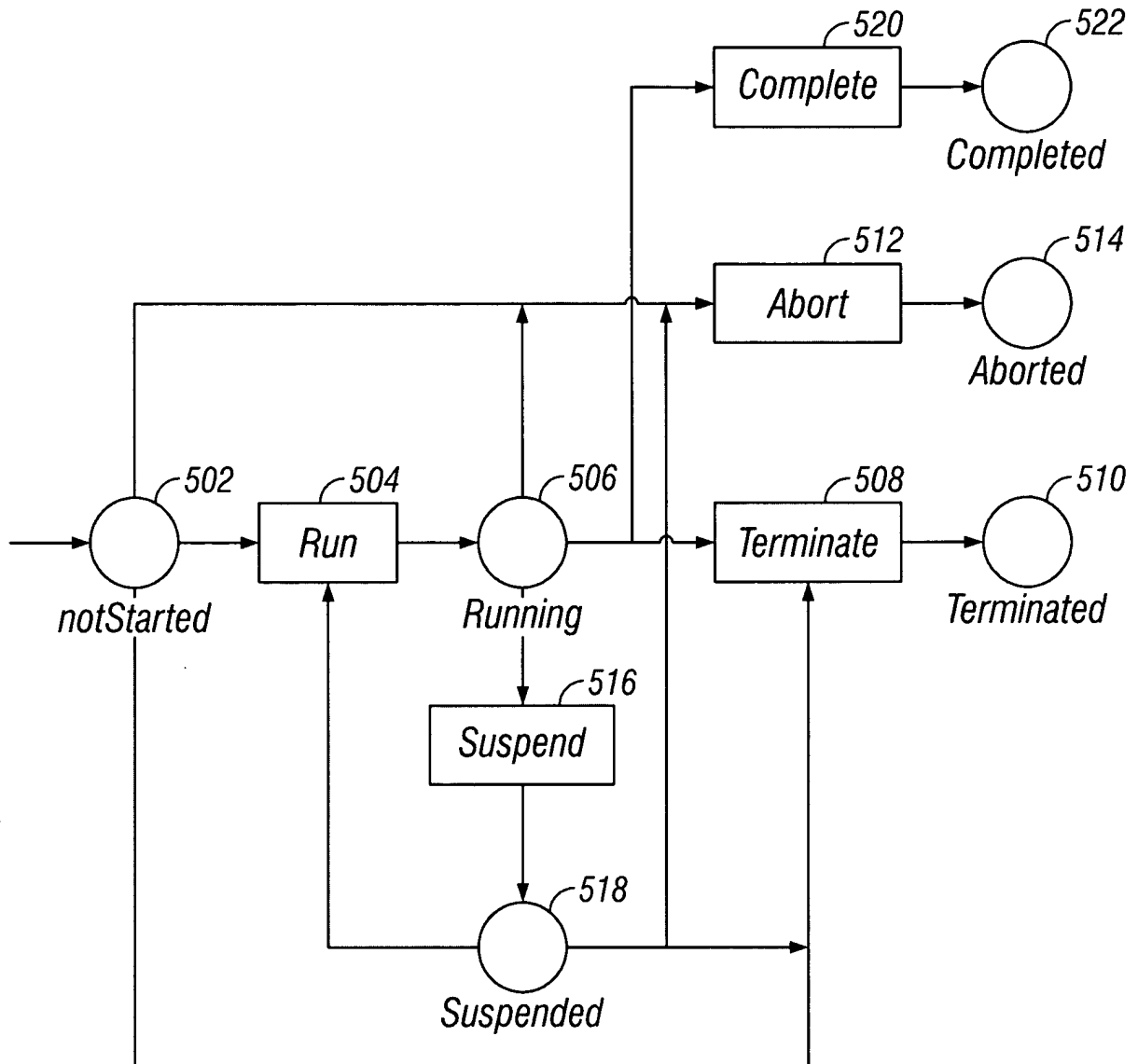


FIG. 5

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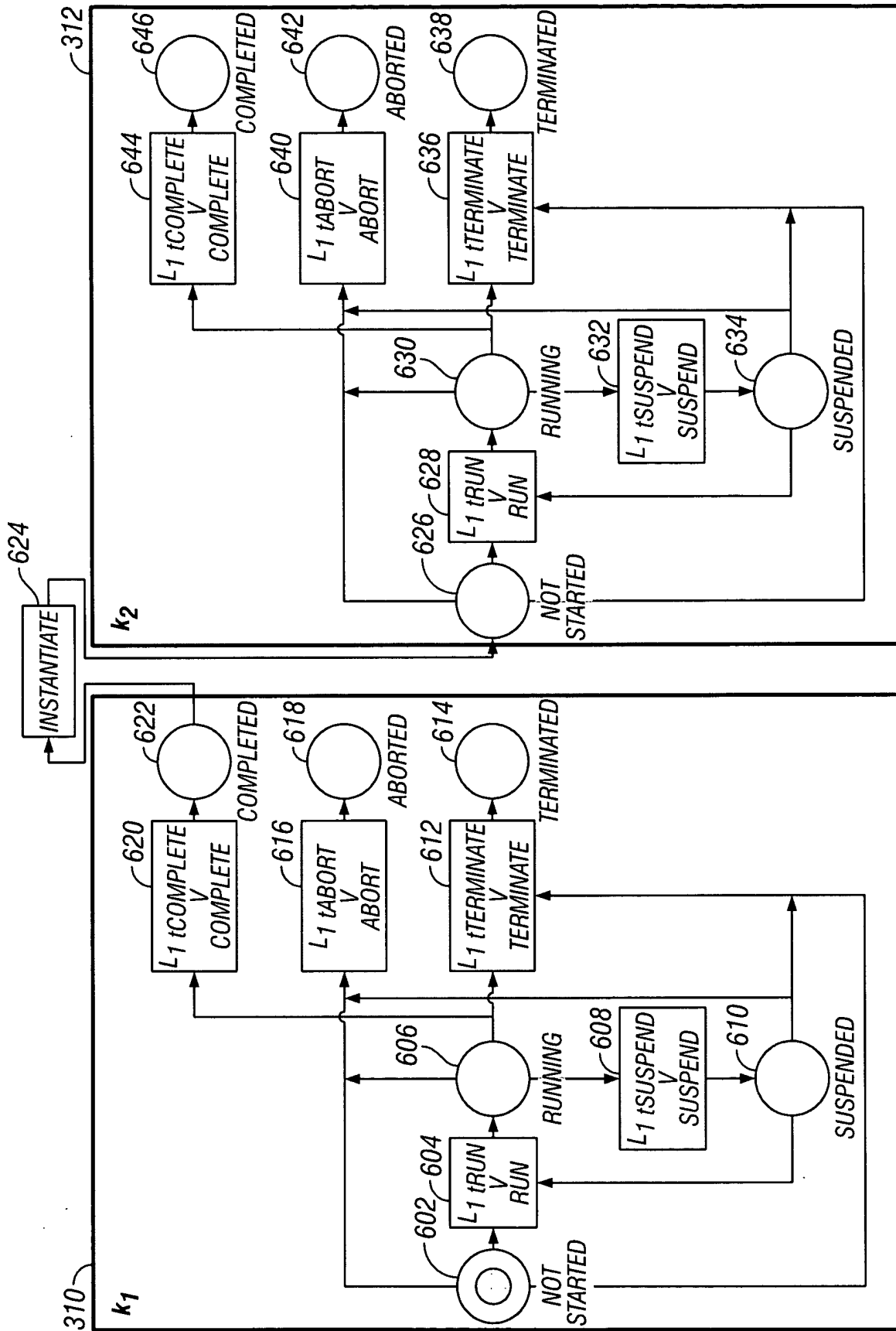
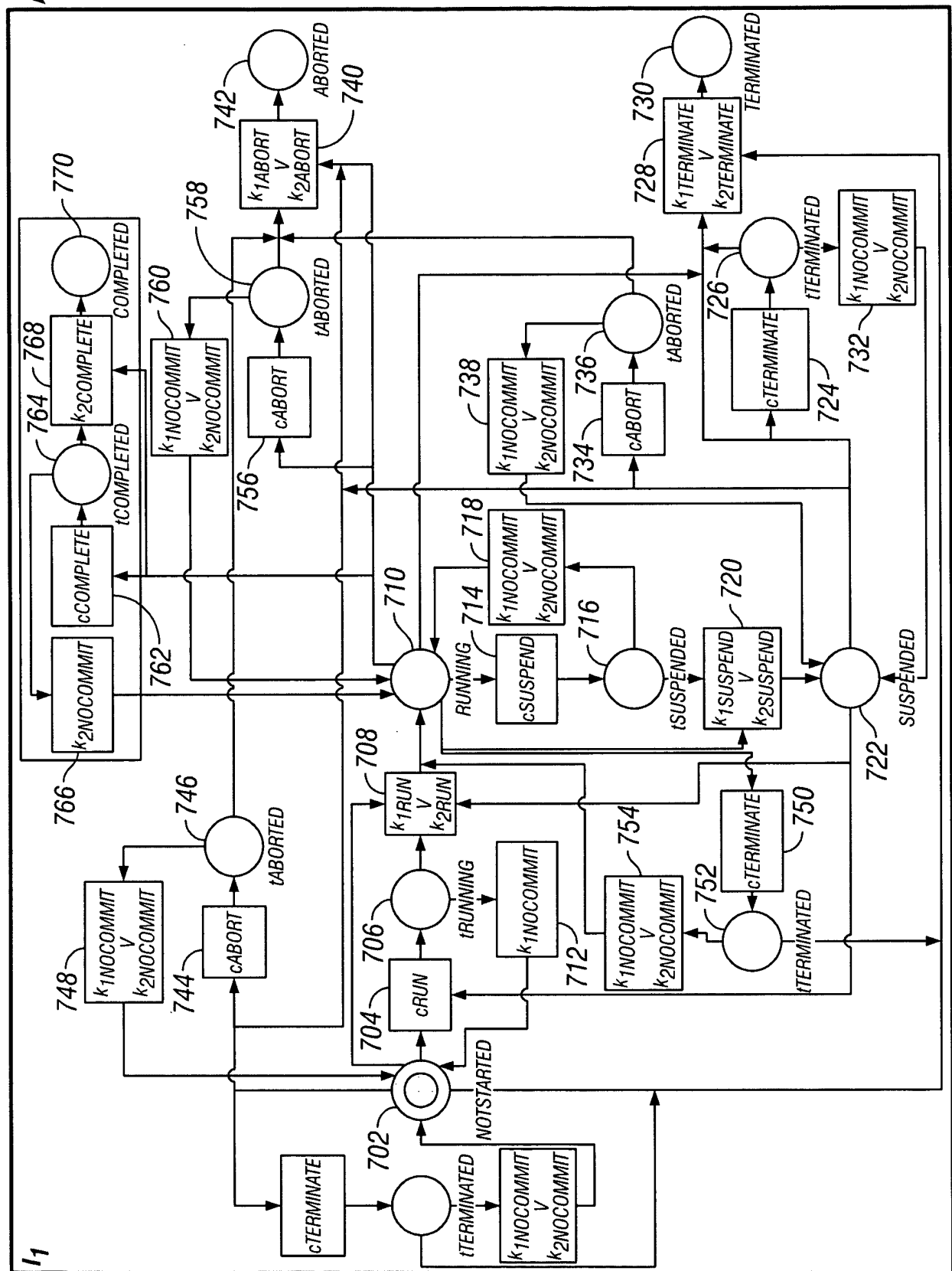


FIG. 6

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FIG. 7

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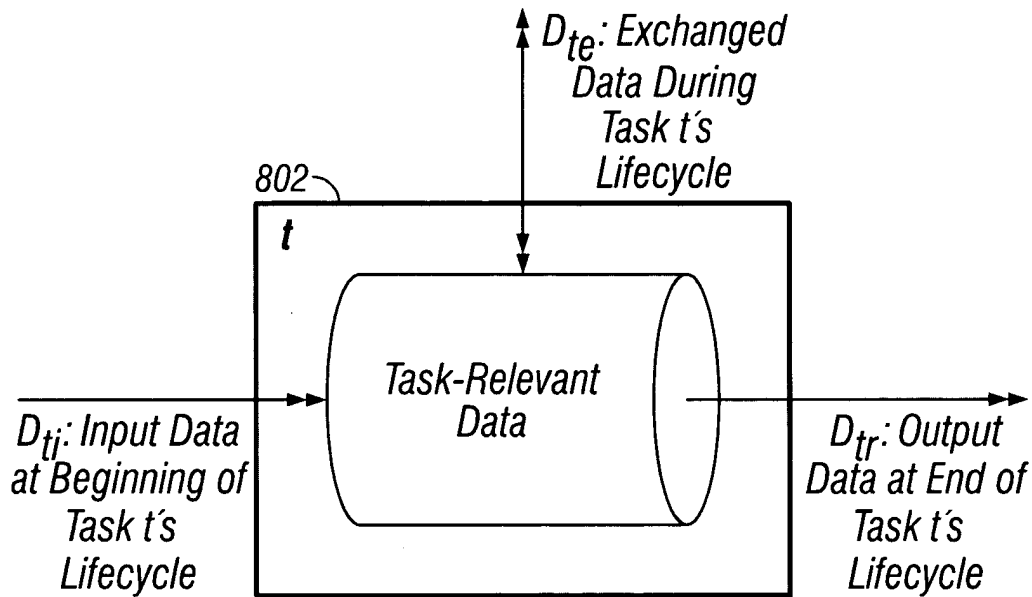


FIG. 8

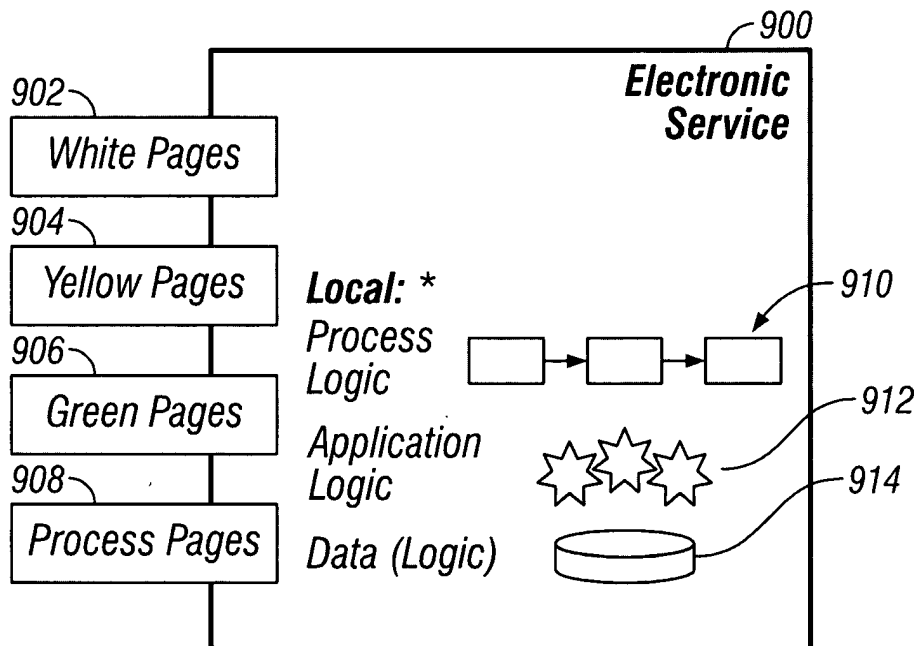


FIG. 9

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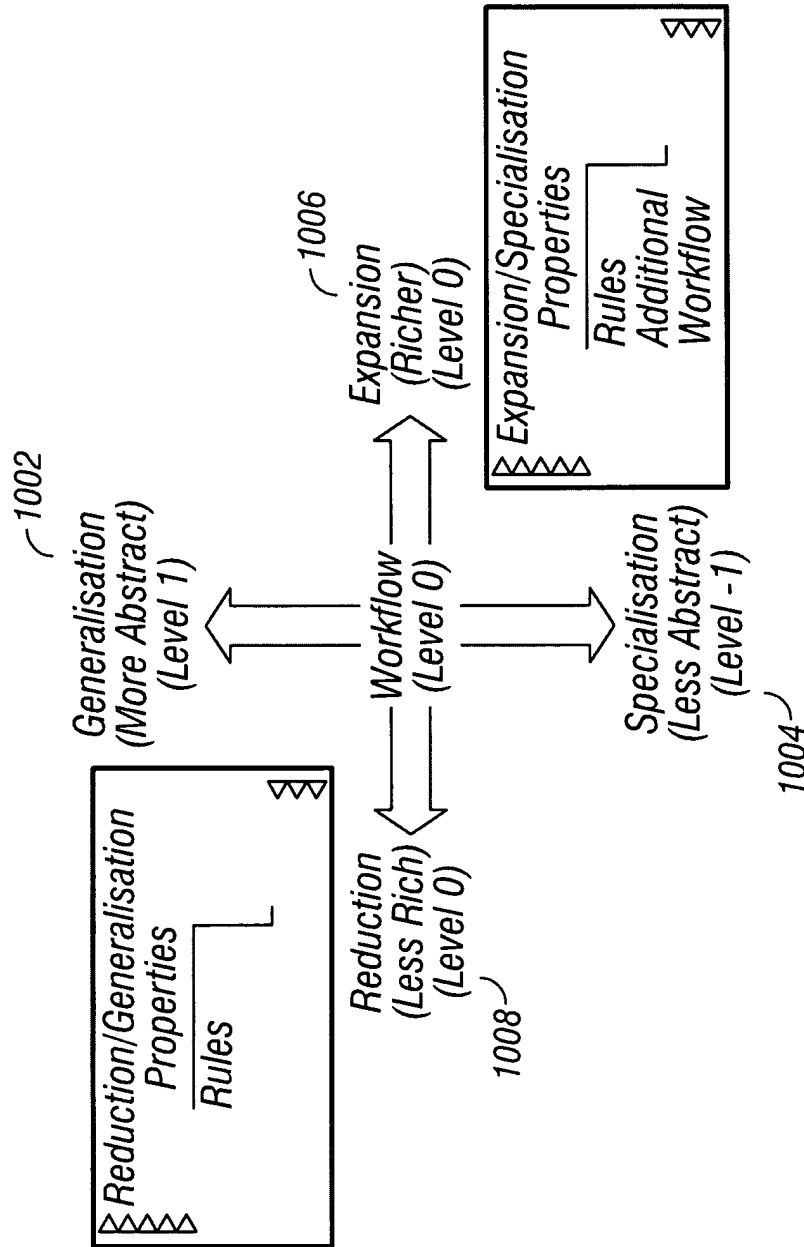


FIG. 10

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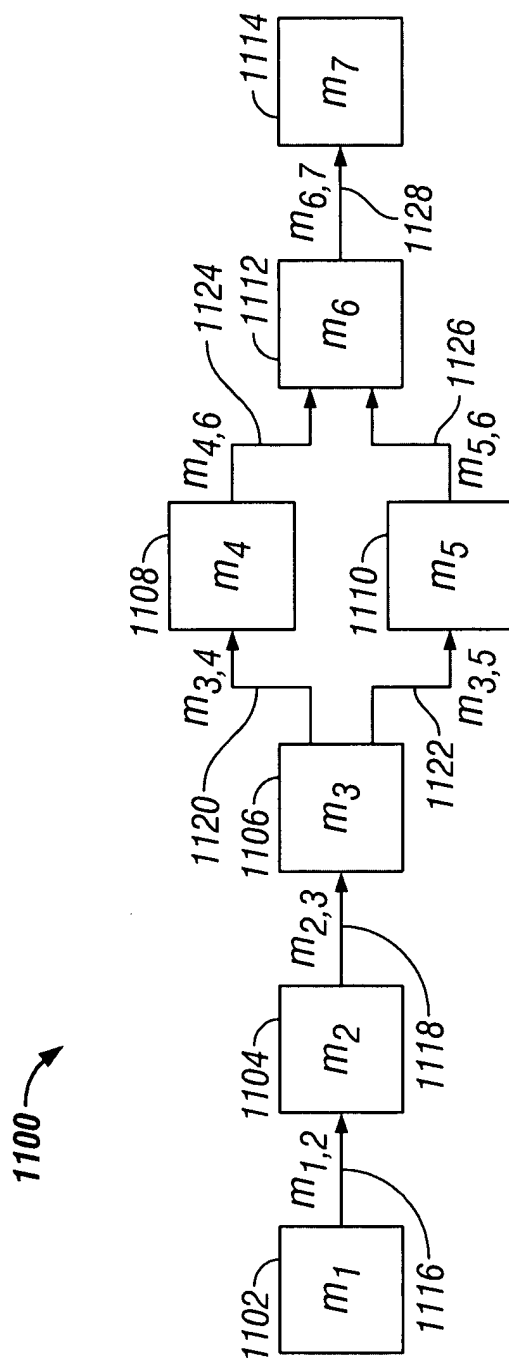


FIG. 11

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Column-Index (j) 1202		1204				1200						
Row-Index (i)		1	2	...	l	l+1	...	l+n-1	l+n	...	r-1	r
1	①	$m_{1,1}$	$m_{1,2}$	$m_{1,...}$	$m_{1,l}$	0	0	0	$m_{1,l+1}$	$m_{1,...}$	$m_{1,m-1}$	$m_{1,m}$
2		$m_{2,1}$	$m_{2,2}$	$m_{2,...}$	$m_{2,l}$	0	0	0	$m_{2,l+1}$	$m_{2,...}$	$m_{2,m-1}$	$m_{2,m}$
⋮		$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,l}$	0	0	0	$m_{...,l+1}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$
l		0	0	0	$n_{1,1}$	$n_{1,2}$	$n_{1,...}$	$n_{1,n}$	0	0	0	0
l+1		0	0	0	$n_{2,1}$	$n_{2,2}$	$n_{2,...}$	$n_{2,n}$	0	0	0	0
⋮		0	0	0	$n_{...,1}$	$n_{...,2}$	$n_{...,...}$	$n_{...,n}$	0	0	0	0
l+n-1	⑥	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$n_{n,1}$	$n_{n,2}$	$n_{n,...}$	$n_{n,n}$	$m_{l,l+1}$	$m_{l,...}$	$m_{l,m-1}$	$m_{l,m}$
l+n		$m_{l+1,1}$	$m_{l+1,2}$	$m_{l+1,...}$	$m_{l+1,l}$	0	0	0	$m_{l+1,l+1}$	$m_{l+1,...}$	$m_{l+1,m-1}$	$m_{l+1,m}$
⋮		$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,l}$	0	0	0	$m_{...,l+1}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$
r-1		$m_{m-1,1}$	$m_{m-1,2}$	$m_{m-1,...}$	$m_{m-1,l}$	0	0	0	$m_{m-1,l+1}$	$m_{m-1,...}$	$m_{m-1,m-1}$	$m_{m-1,m}$
r	③	$m_{m,1}$	$m_{m,2}$	$m_{m,...}$	$m_{m,l}$	0	0	0	$m_{m,l+1}$	$m_{m,...}$	$m_{m,m-1}$	$m_{m,m}$

FIG. 12

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Row-Index (i)	Column-Index (j)					
	1	2	...	m-1	m	m+1
1	$m_{1,1}$	$m_{1,2}$	$m_{1,...}$	$m_{1,m-1}$	$m_{1,m}$	$m_{1,l}$
2	$m_{2,1}$	$m_{2,2}$	$m_{2,...}$	$m_{2,m-1}$	$m_{2,m}$	$m_{2,l}$
...	$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$	$m_{...,l}$
l	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$m_{l,m-1}$	$m_{l,m}$	$m_{l,l}$
...	$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$	$m_{...,l}$
m-1	$m_{m-1,1}$	$m_{m-1,2}$	$m_{m-1,...}$	$m_{m-1,m-1}$	$m_{m-1,m}$	$m_{m-1,l}$
m	$m_{m,1}$	$m_{m,2}$	$m_{m,...}$	$m_{m,m-1}$	$m_{m,m}$	$m_{m,l}$
m+1	0	0	0	0	0	0
...	0	0	0	0	0	0
m+n-1	0	0	0	0	0	0
m+n	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$m_{l,m-1}$	$m_{l,m}$	$m_{l,l}$

1300

1306

1302

1308

1304

FIG. 13

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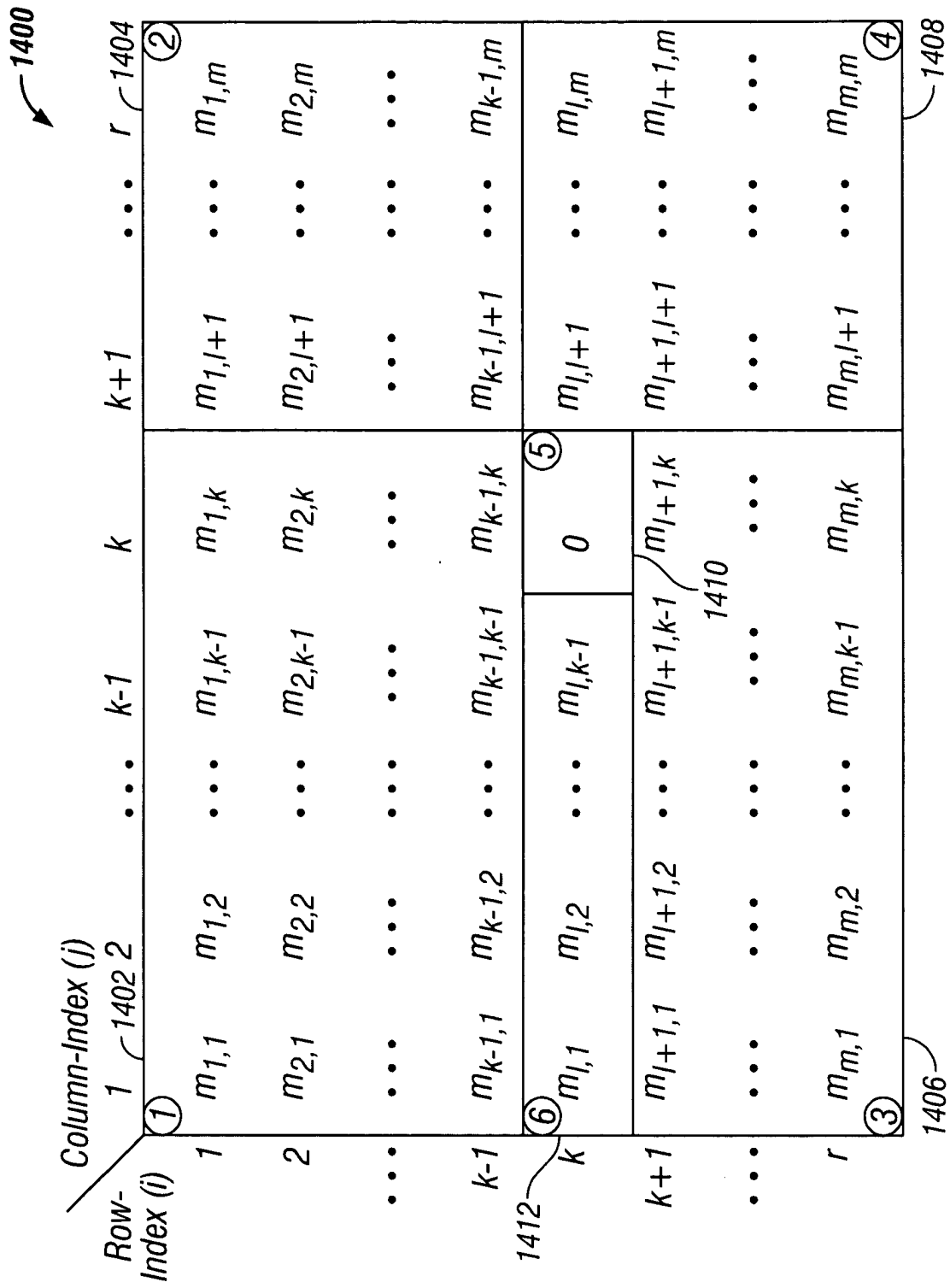


FIG. 14

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1500

Row-Index (i)	Column-Index (j)				
	1	2	...	k	m+1
1	$m_{1,1}$	$m_{1,2}$...	$m_{1,k}$	$m_{1,m}$
2	$m_{2,1}$	$m_{2,2}$...	$m_{2,k}$	$m_{2,m}$
...
k	$m_{k,1}$	$m_{k,2}$...	$m_{k,k}$	$m_{k,m}$
...
l	$m_{l,1}$	$m_{l,2}$...	$m_{l,k}$	$m_{l,m}$
...
m	$m_{m,1}$	$m_{m,2}$...	$m_{m,k}$	$m_{m,m}$
m+1	$m_{l,1}$	$m_{l,2}$...	$m_{l,k}$	$m_{l,m}$

1504

1508

1506

FIG. 15

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Row-Index (i)		Column-Index (j)				
		1	...	k-1	k	...
1	①	$m_{1,1}$...	$m_{1,k-1}$	$m_{1,k}$...
...	
k-1		$m_{k-1,1}$...	$m_{k-1,k-1}$	$m_{k-1,k}$...
k		0	0	0	$n_{1,1}$...
k+1		0	0	0	$n_{2,1}$...
...	
k+n-1		$m_{l,1}$	...	$m_{l,k-1}$	$n_{n,1}$	...
k+n		$m_{l+1,1}$	...	$m_{l+1,k-1}$	$m_{l+1,k}$	...
...	
r-1		$m_{m-1,1}$	...	$m_{m-1,k-1}$	$m_{m-1,k}$	...
r	③	$m_{m,1}$	...	$m_{m,k-1}$	$m_{m,k}$	...
...	
k+n		0	0	0	0	...
k+1		0	0	0	0	...
...	
k+n-1		$m_{l,l+1}$...	$m_{l,m-1}$	$m_{l,m}$...
k+n		$m_{l+1,l+1}$...	$m_{l+1,m-1}$	$m_{l+1,m}$...
...	
r-1		$m_{m-1,l+1}$...	$m_{m-1,m-1}$	$m_{m-1,m}$...
r	④	$m_{m,l+1}$...	$m_{m,m-1}$	$m_{m,m}$...

FIG. 16

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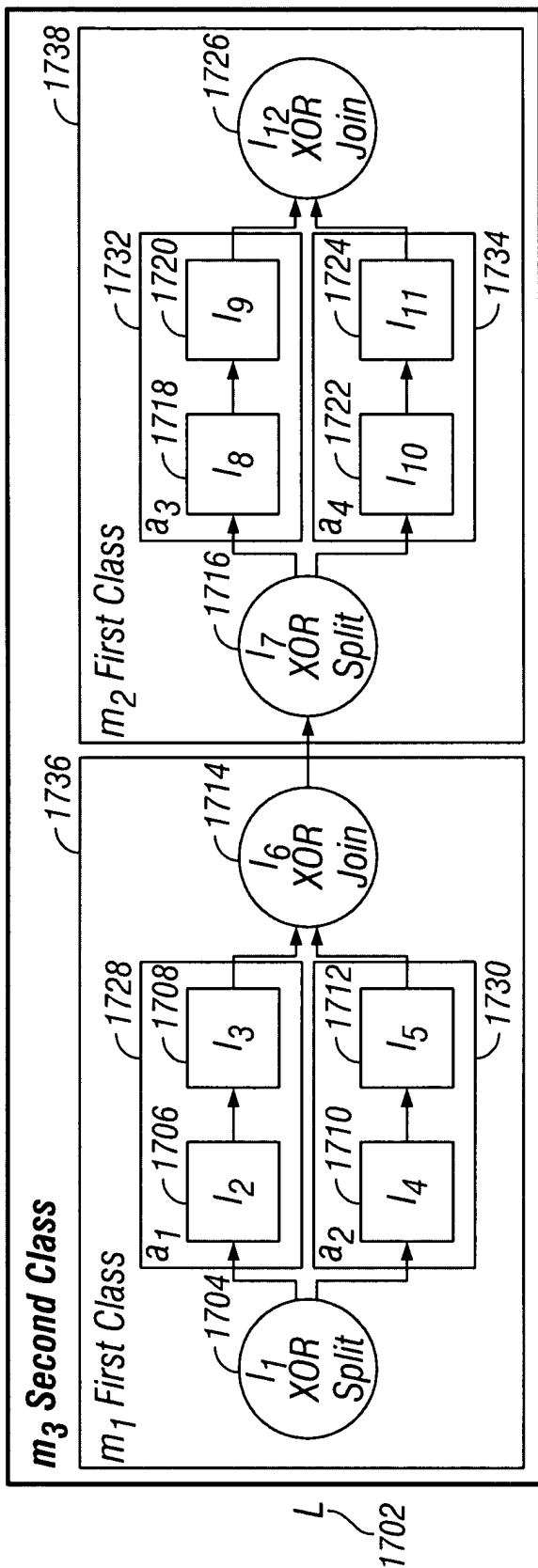


FIG. 17

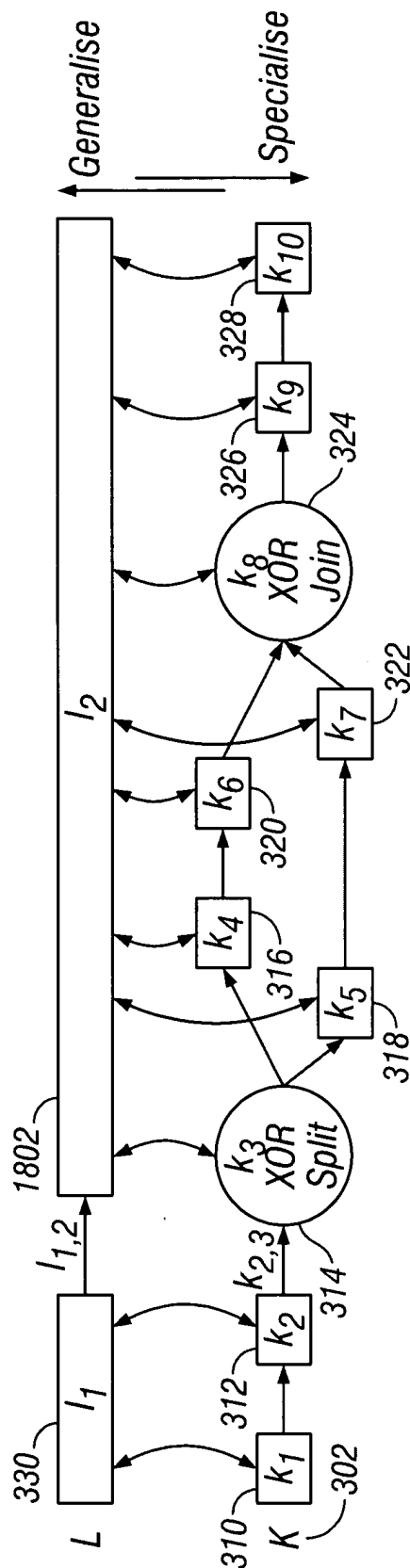


FIG. 18

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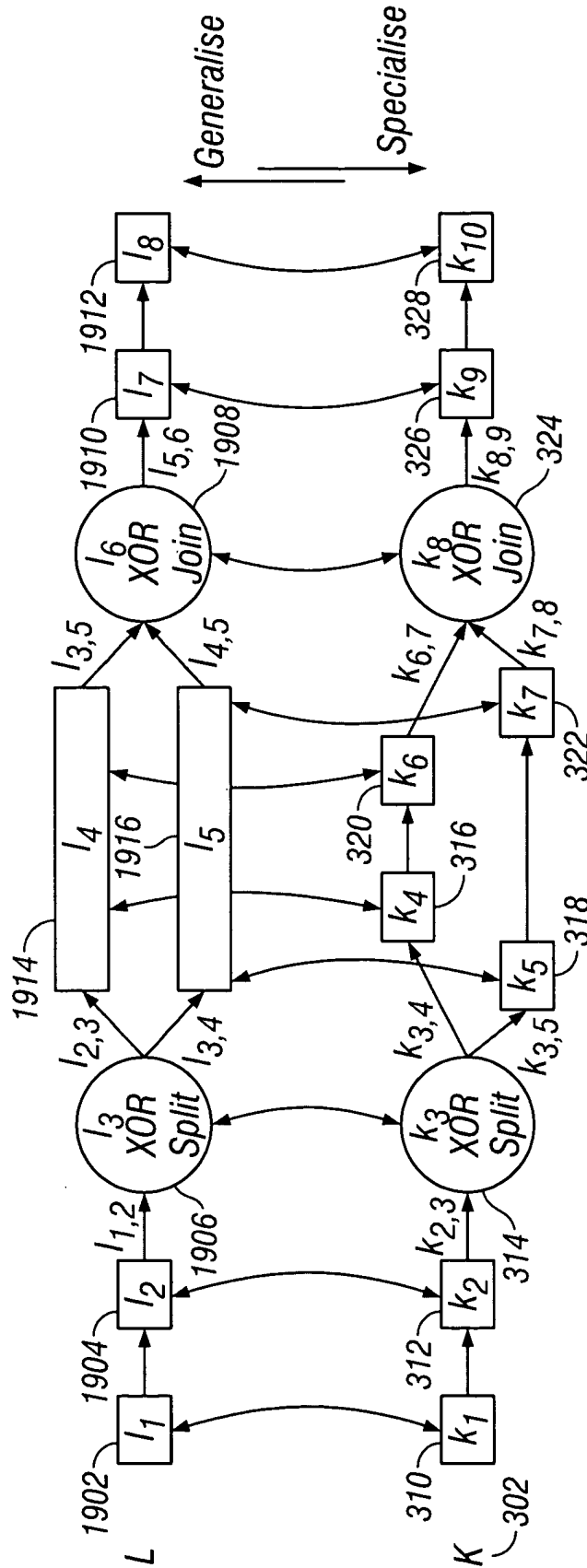


FIG. 19

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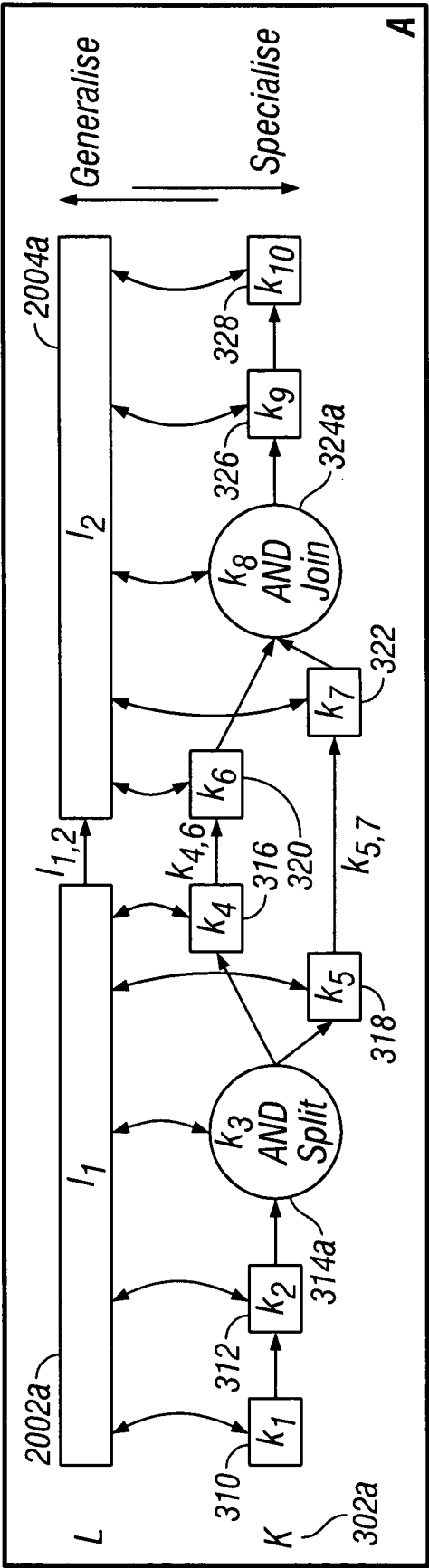


FIG. 20A

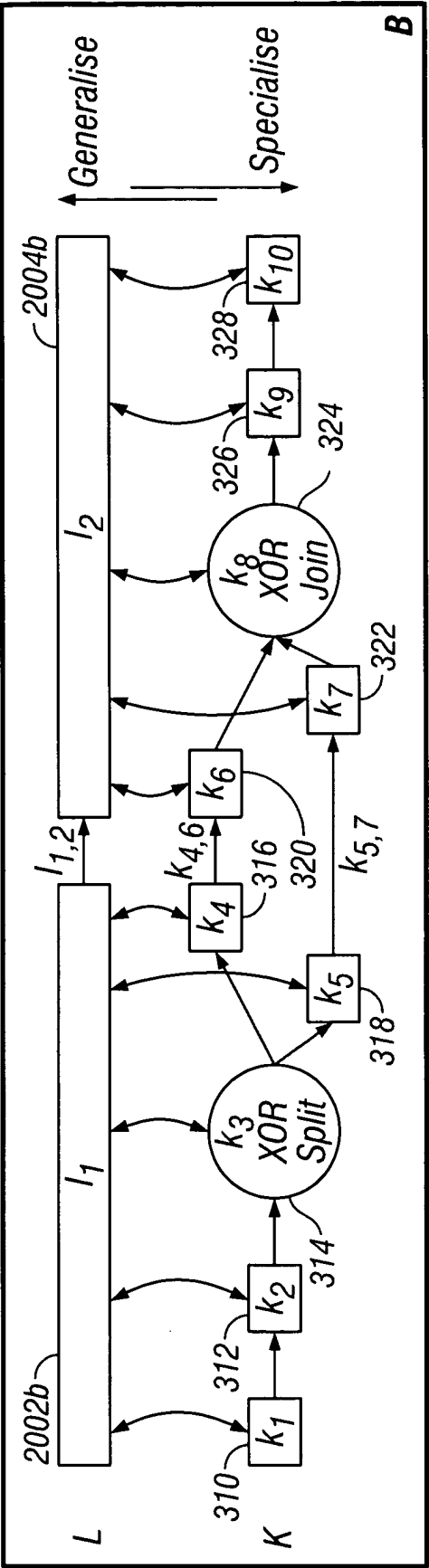


FIG. 20B

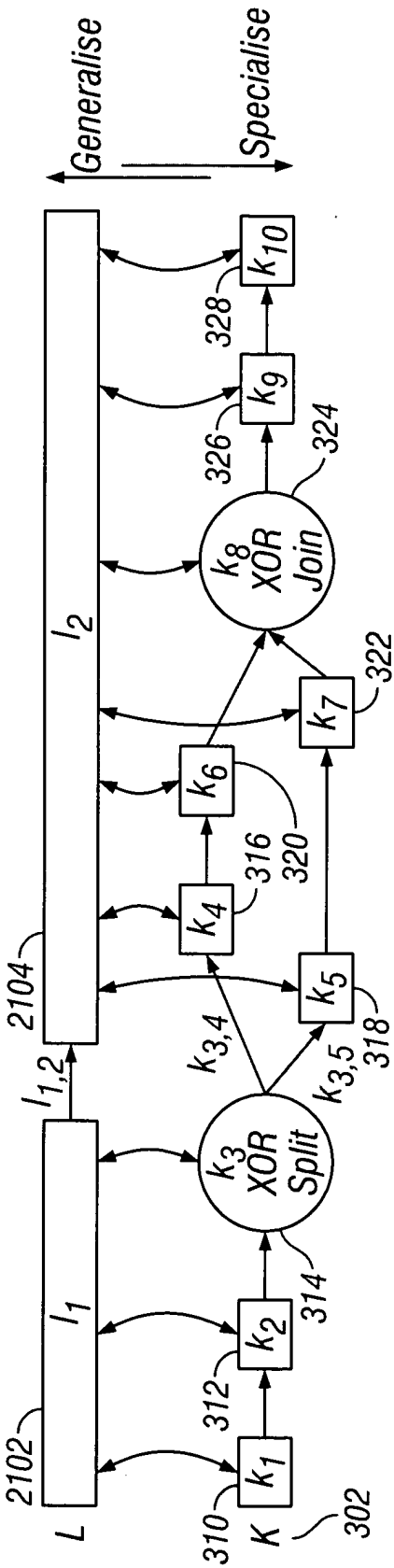


FIG. 21



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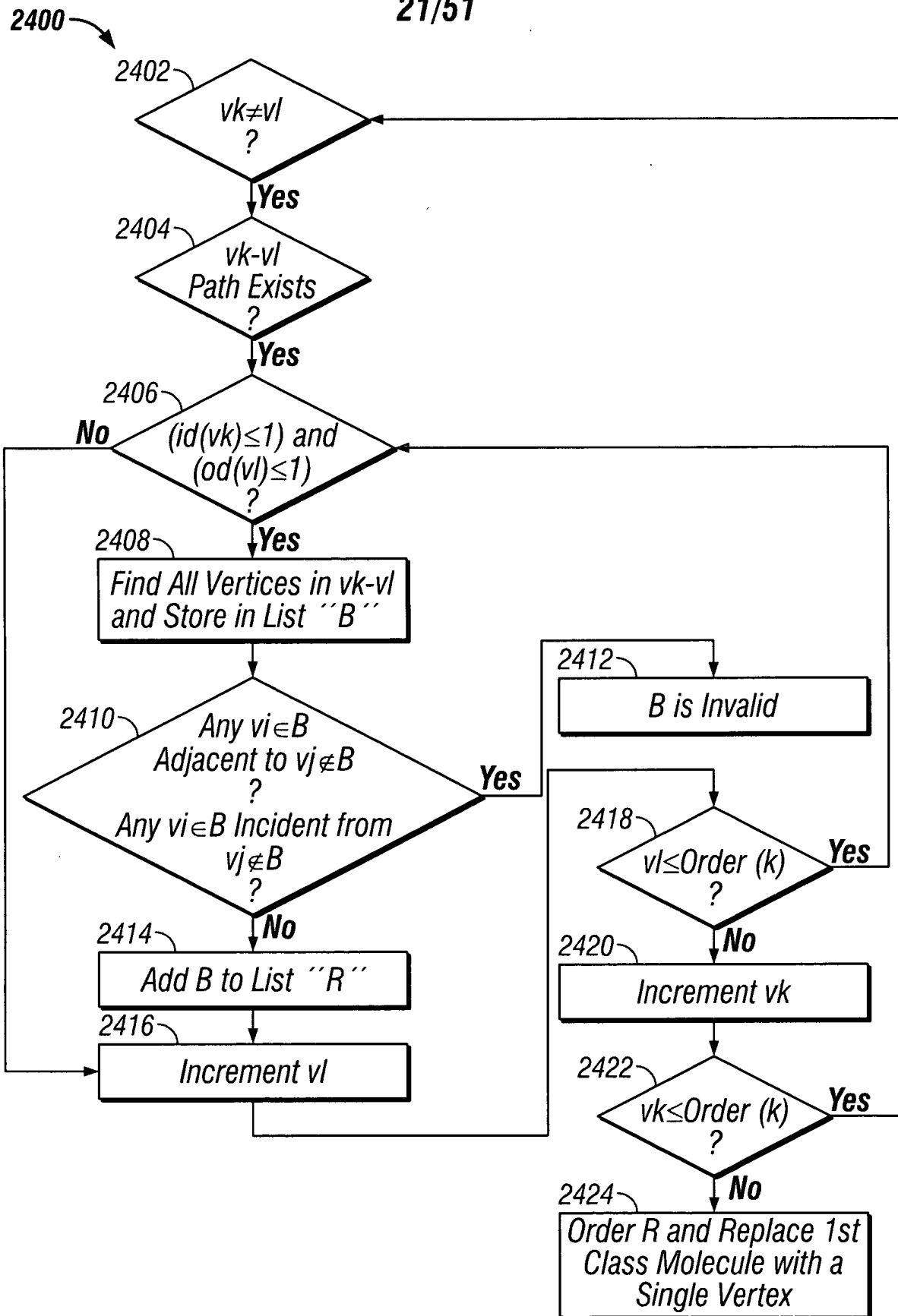
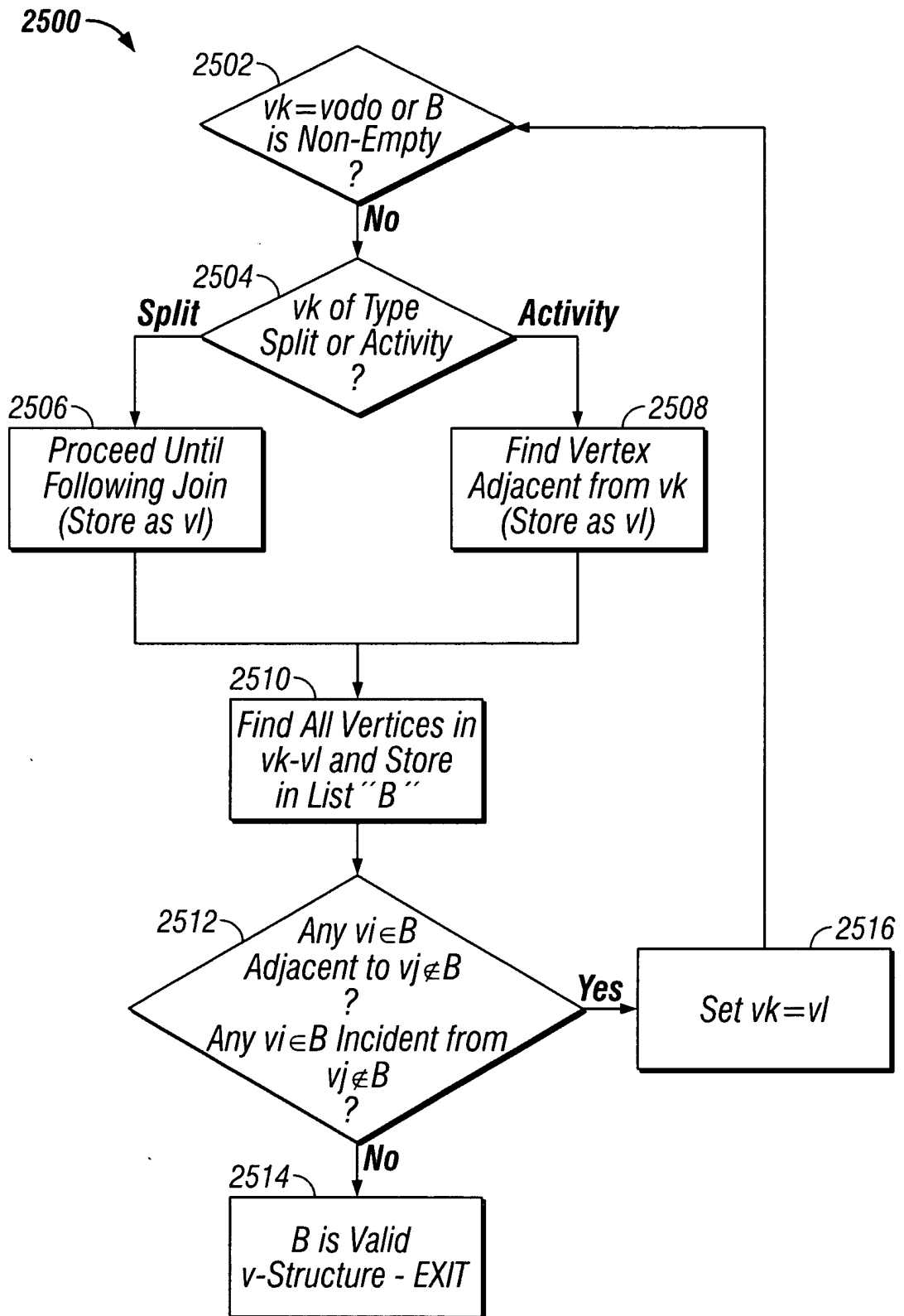


FIG. 24

22/51**FIG. 25**

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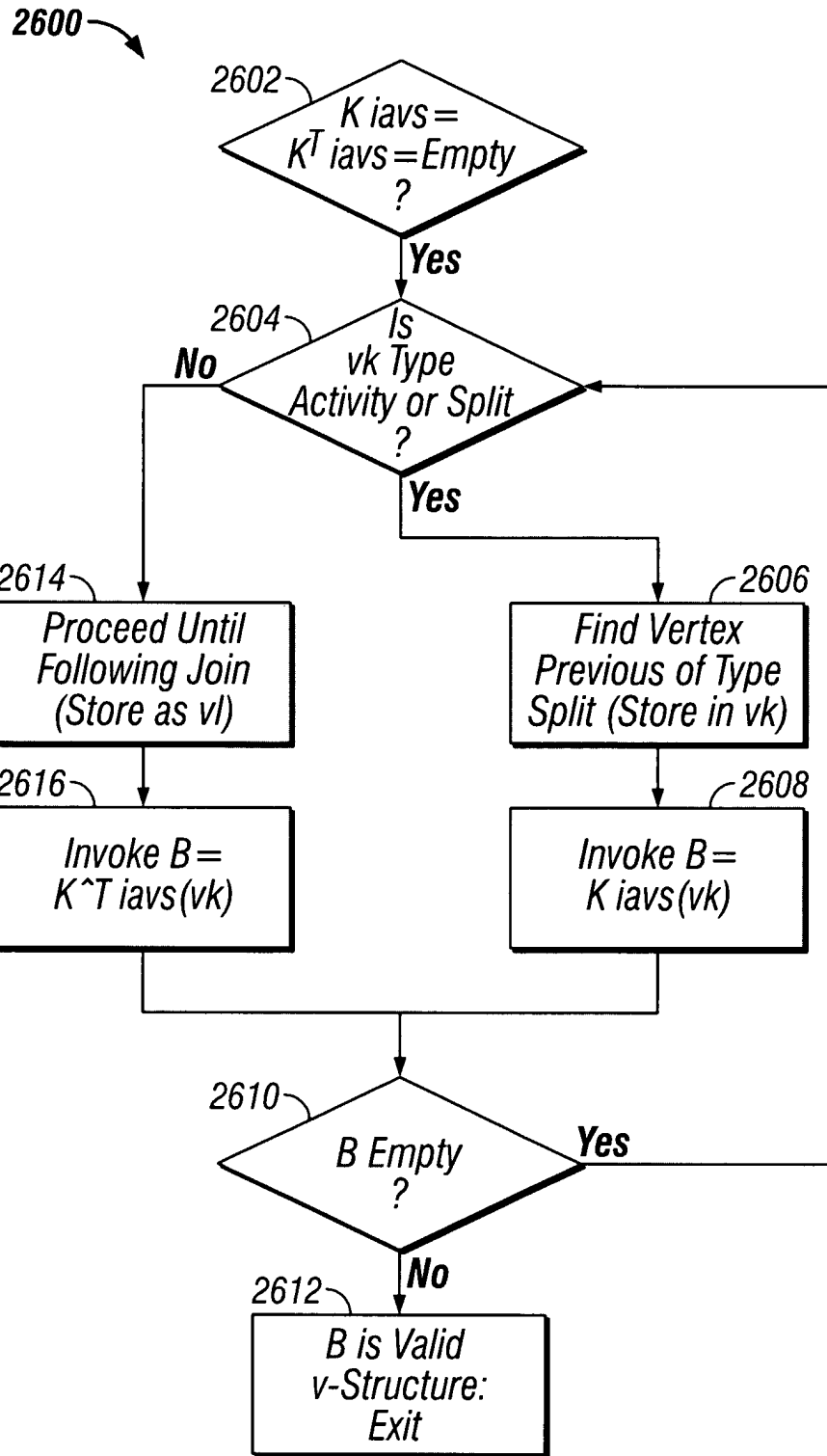


FIG. 26

2700 →

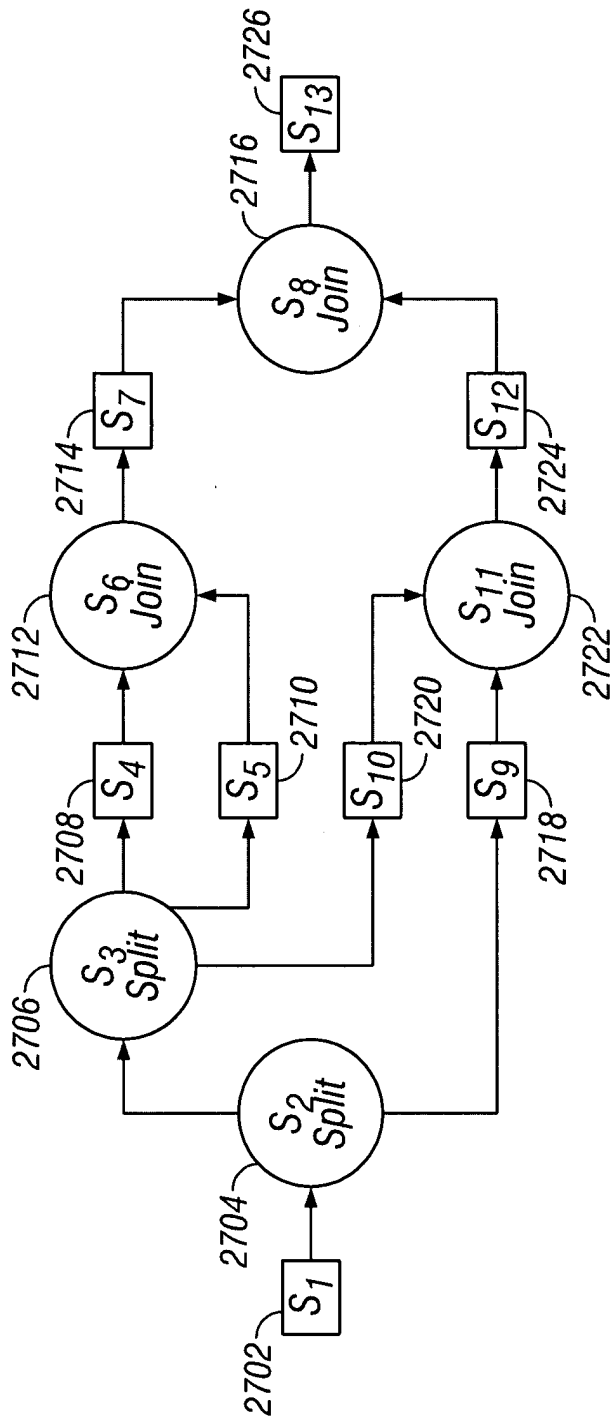


FIG. 27A

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V_k	$S_{iavs_e}(v_k)$
S_1	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_2	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_3	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_4	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_5	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_6	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_7	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_8	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_9	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{10}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{11}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{12}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{13}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}, S_{13}\}$

FIG. 27B

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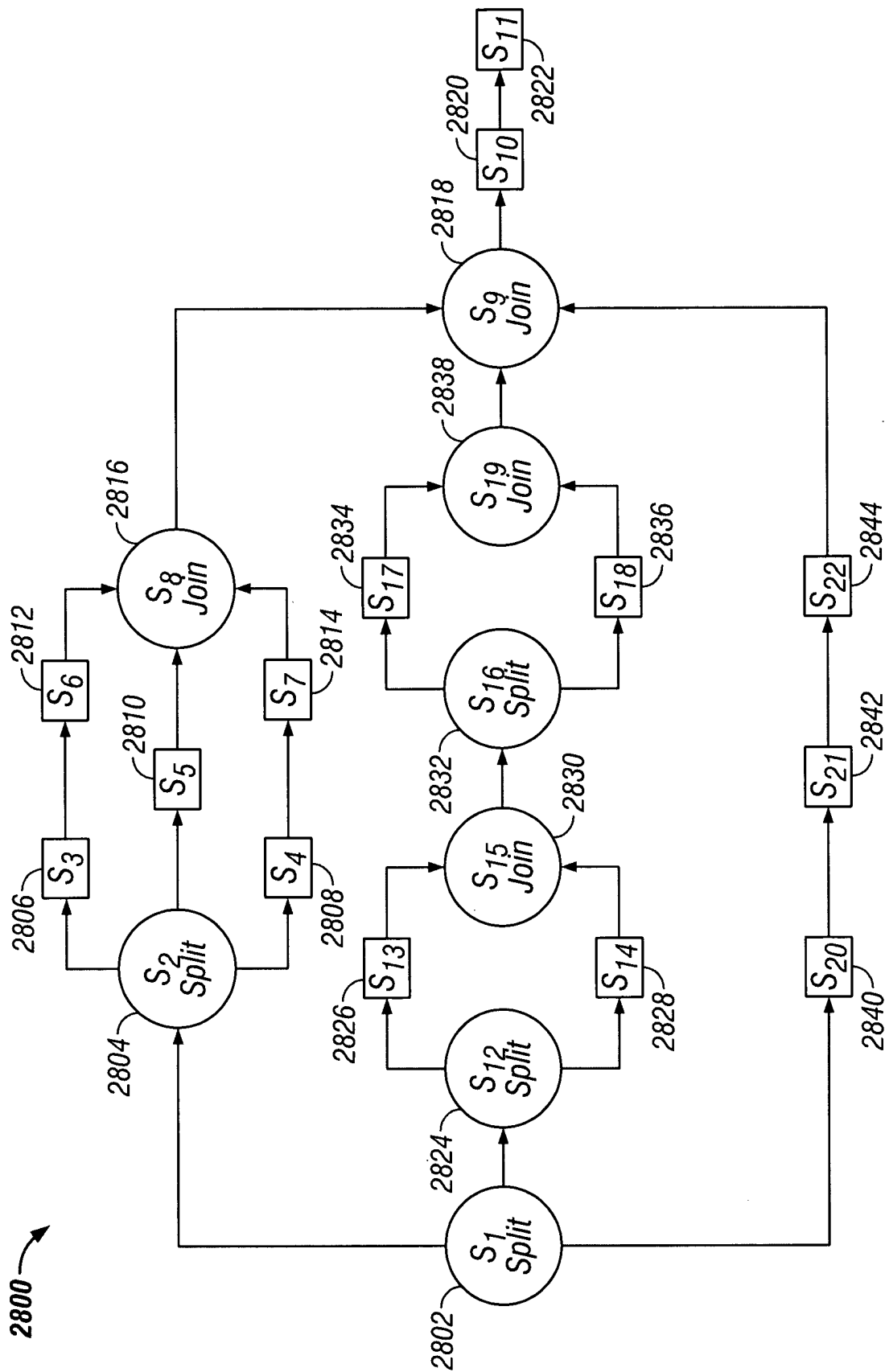


FIG. 28A

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V_k	$S_{iavs_e(V_k)}$
S_1	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
S_2	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_3	$\{S_3, S_6\}$
S_4	$\{S_4, S_7\}$
S_5	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_6	$\{S_3, S_6\}$
S_7	$\{S_4, S_7\}$
S_8	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_9	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
S_{10}	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\},$ $\{S_{10}, S_{11}\}$
S_{11}	$\{S_{10}, S_{11}\}$
S_{12}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{13}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{14}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{15}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{16}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{17}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{18}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{19}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{20}	$\{S_{20}, S_{21}\}$
S_{21}	$\{S_{20}, S_{21}\}, \{S_{21}, S_{22}\}$
S_{22}	$\{S_{21}, S_{22}\}$

FIG. 28B

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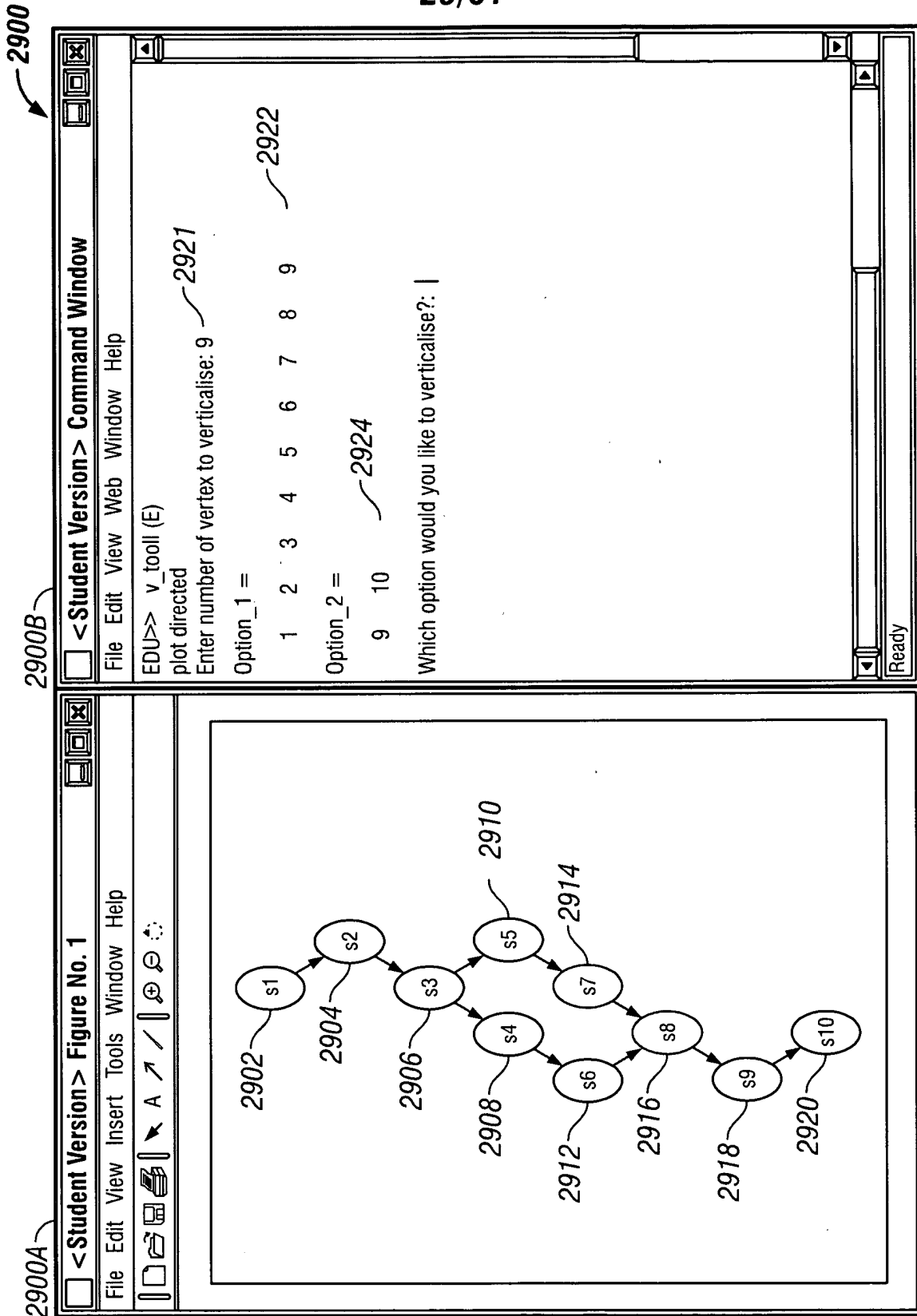


FIG. 29

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3000

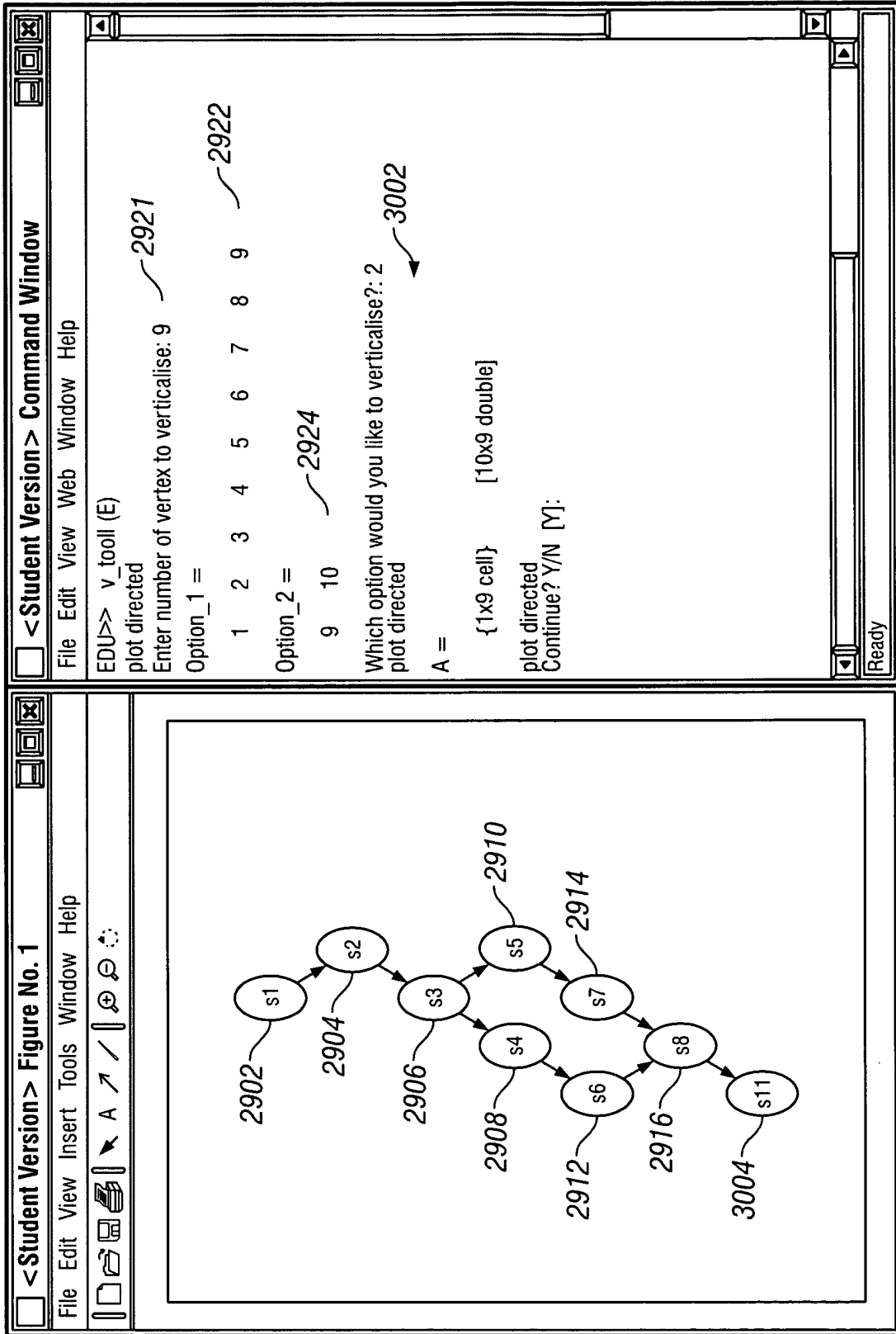


FIG. 30

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3100

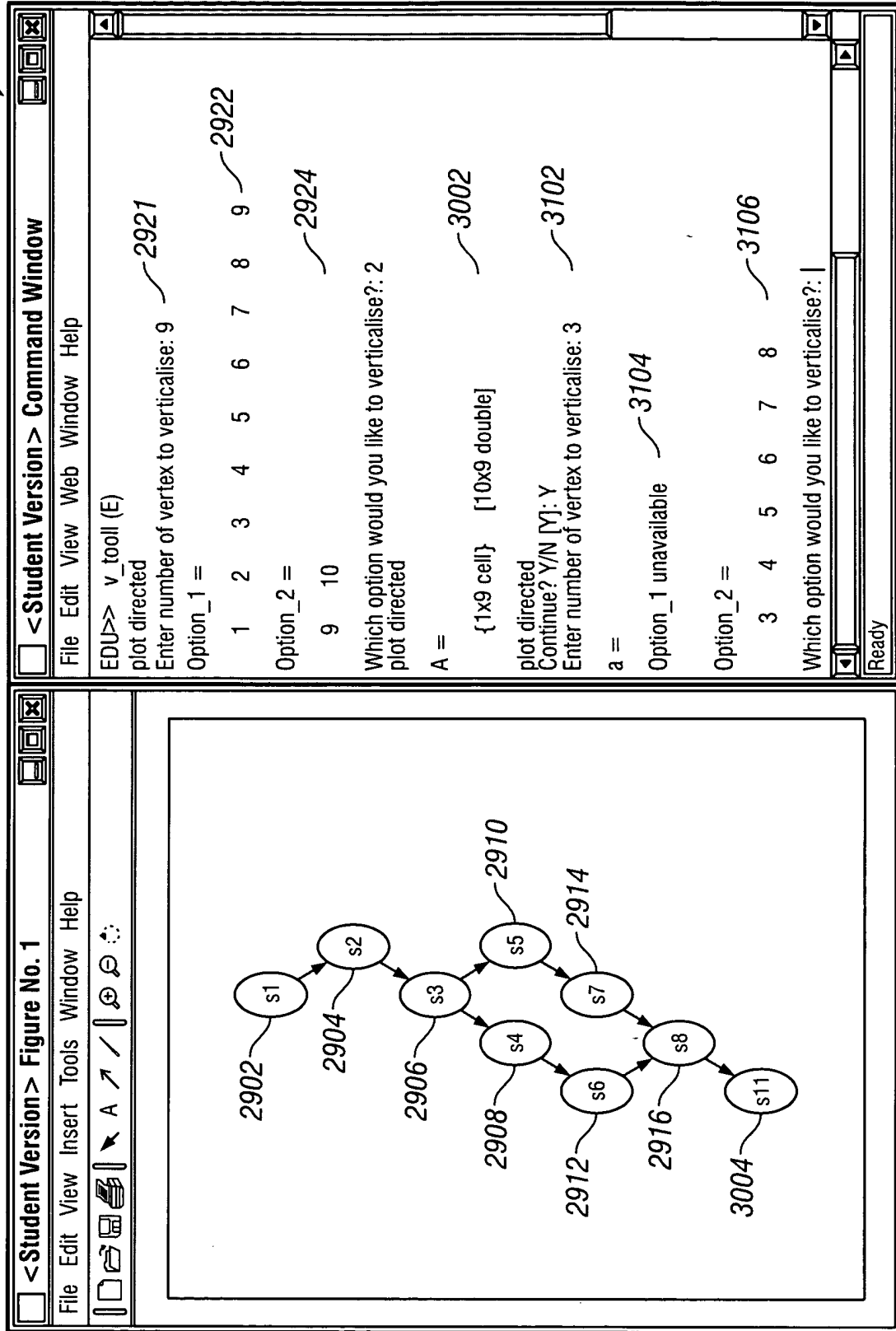


FIG. 31

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3200

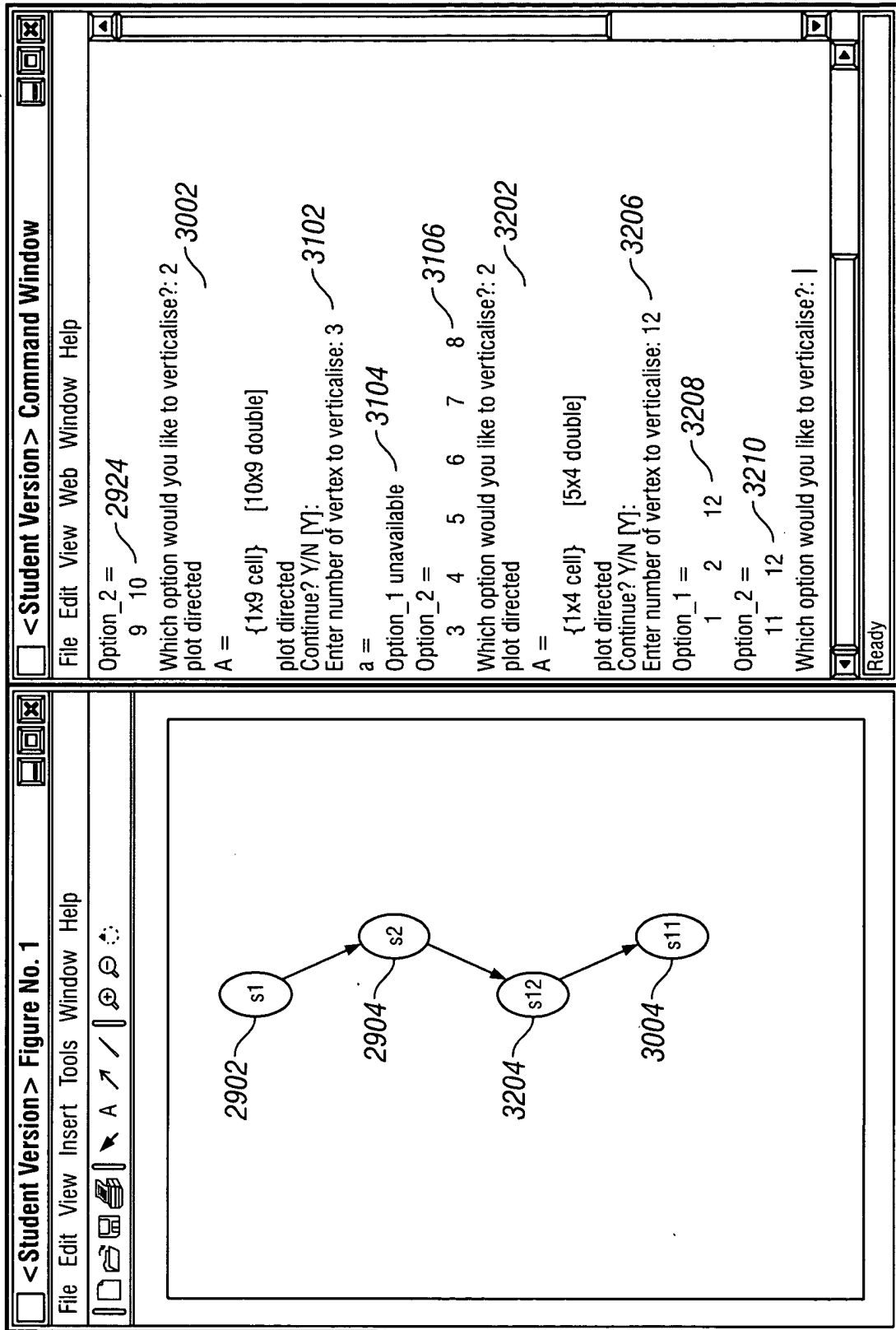
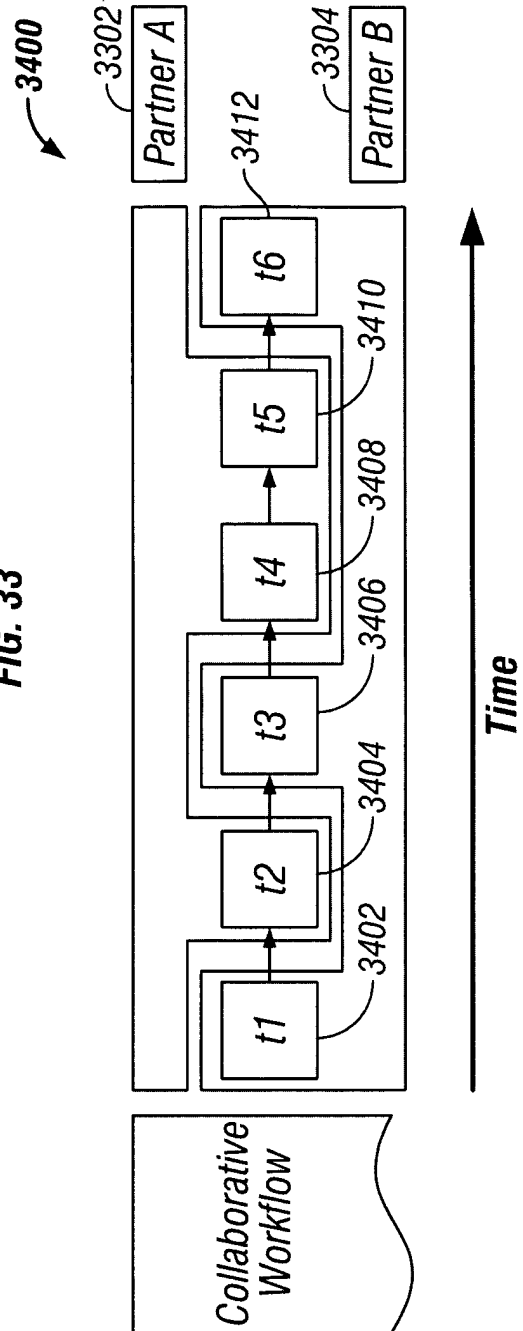
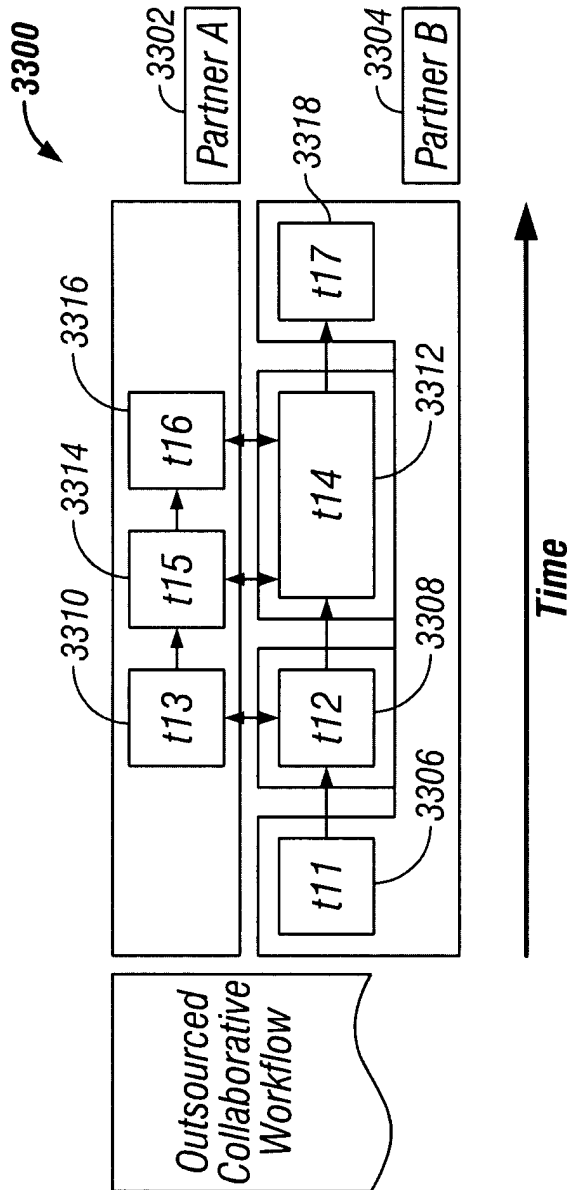


FIG. 32

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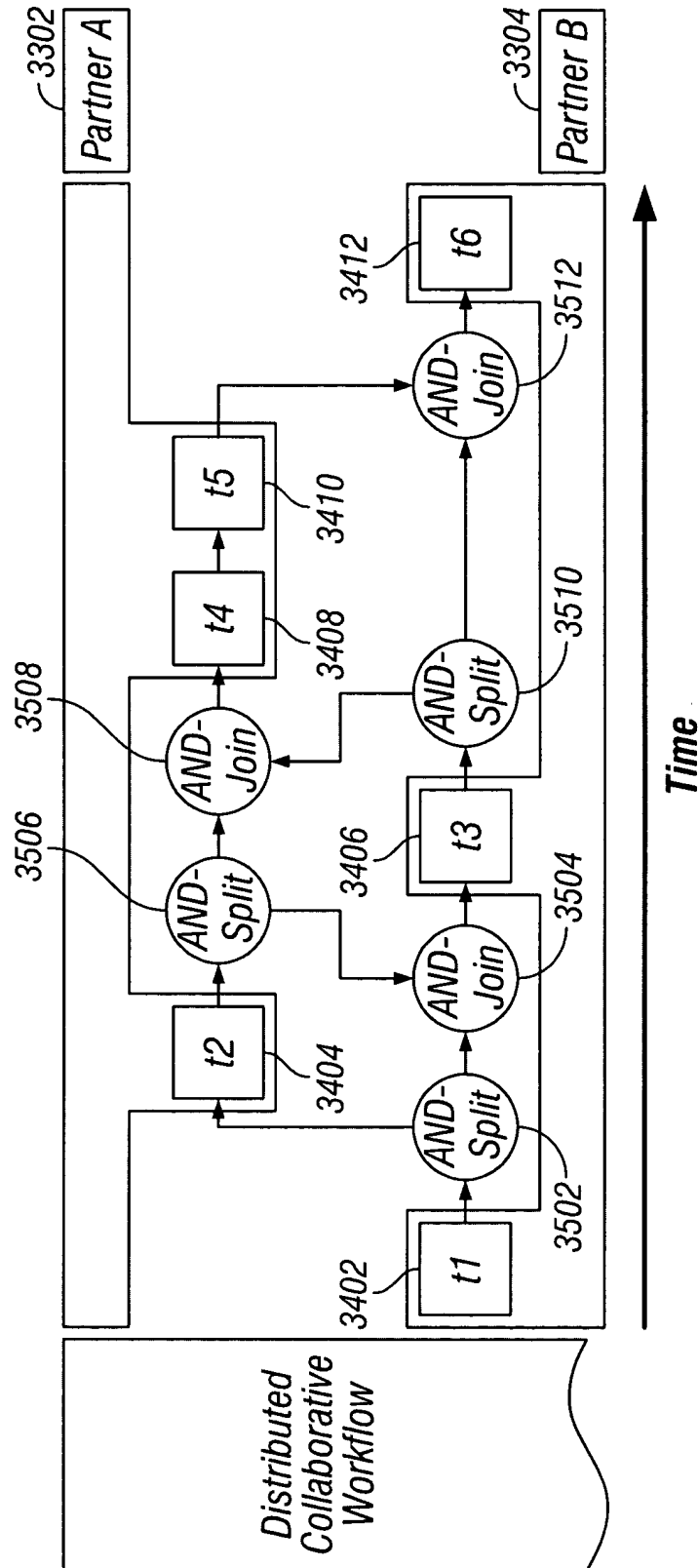


FIG. 35

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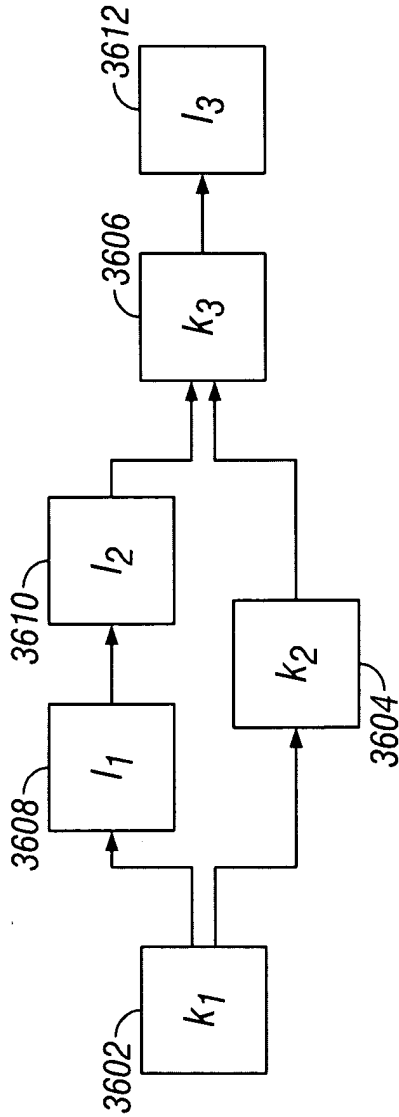


FIG. 36

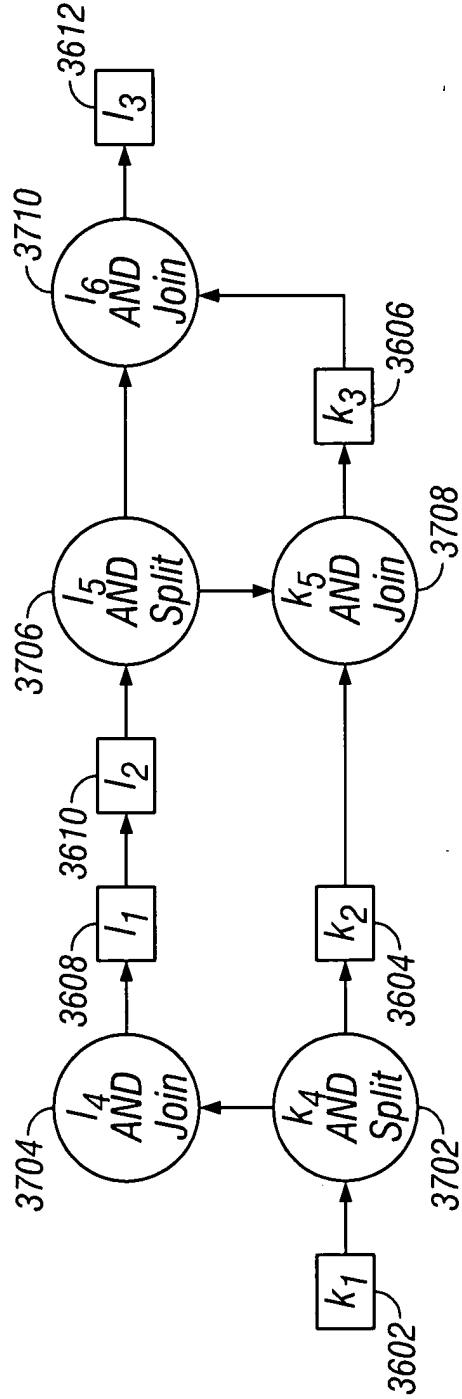


FIG. 37

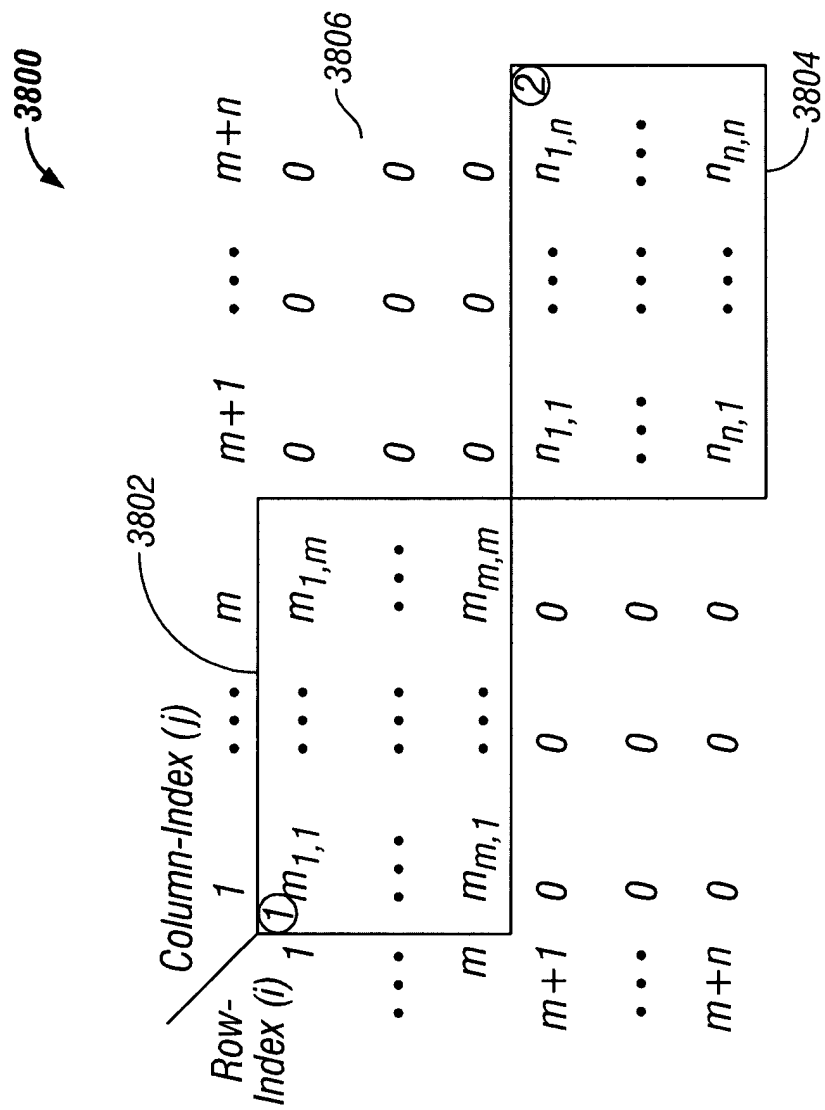


FIG. 38

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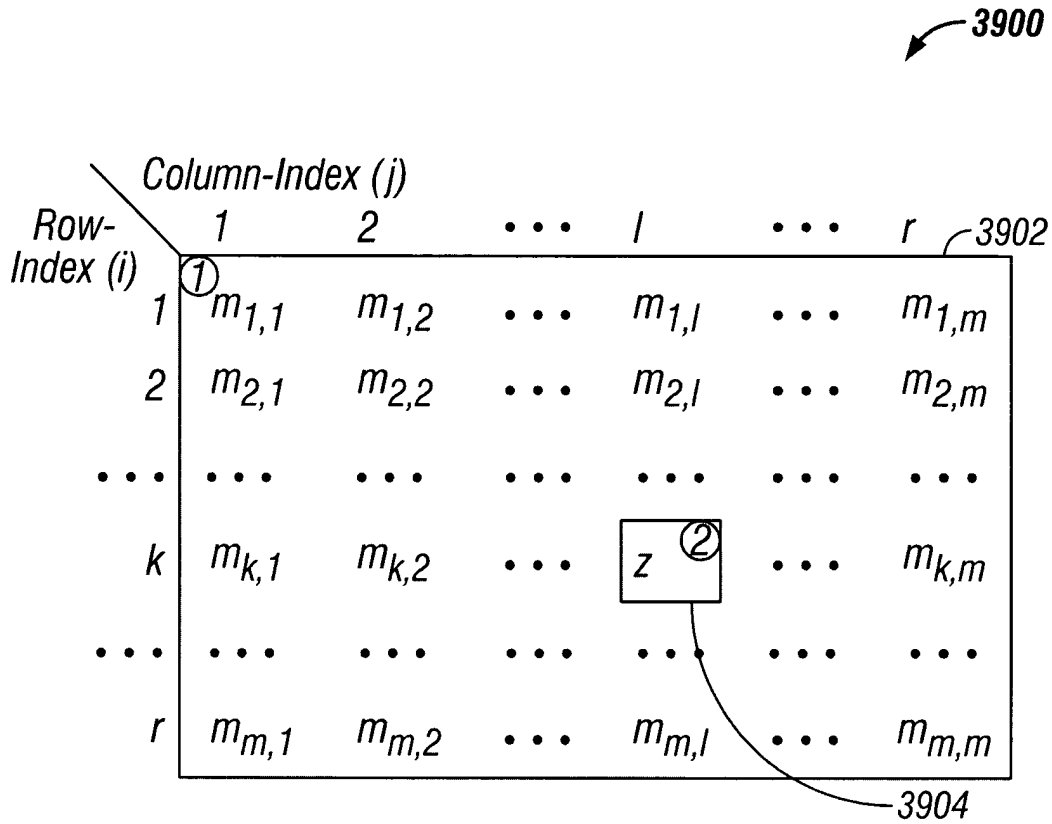


FIG. 39

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4000

Row-Index (i)	Column-Index (j)		4008		4004	
	1	2	...	k	...	r
1	① $m_{1,1}$	$m_{1,2}$...	0	$m_{1,m}$	② $m_{1,k}$
2	$m_{2,1}$	$m_{2,2}$...	0	$m_{2,m}$	$m_{2,k}$
...	...	...	...	0	...	...
k	$m_{k,1}$	$m_{k,2}$	...	0	$m_{k,m}$	$m_{k,k}$
...	...	...	...	0	...	...
m	$m_{m,1}$	$m_{m,2}$	...	0	$m_{m,m}$	$m_{m,k}$
r	0	0	0	③ 1	0	0

4006

FIG. 40

4100

Row-Index (i)	Column-Index (j)					r
	1	2	...	k	m	
1	m _{1,1}	m _{1,2}	...	m _{1,k}	m _{1,m}	0
2	m _{2,1}	m _{2,2}	...	m _{2,k}	m _{2,m}	0
...	0
k	0	0	0	0	0	1
...	0
m	m _{m,1}	m _{m,2}	...	m _{m,k}	m _{m,m}	0
r	m _{k,1}	m _{k,2}	...	m _{k,k}	m _{k,m}	0

4106

4104

FIG. 41

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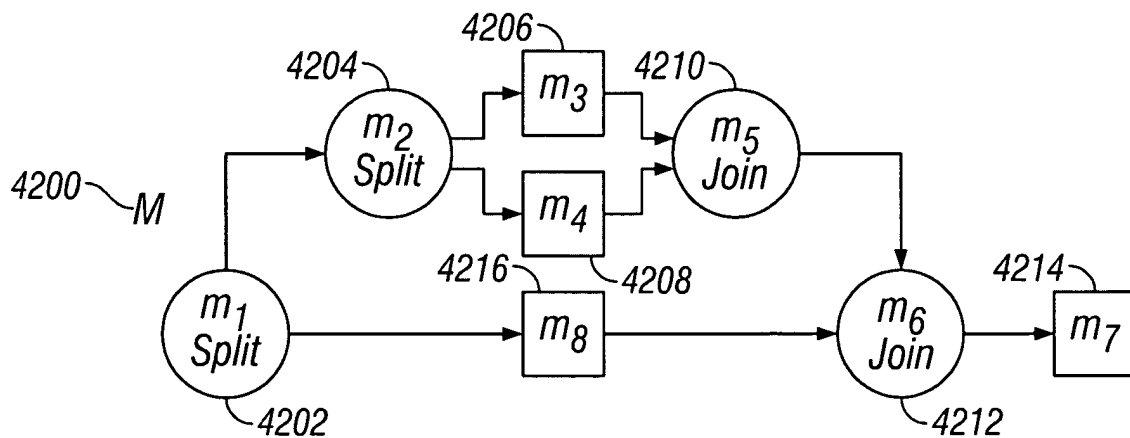


FIG. 42

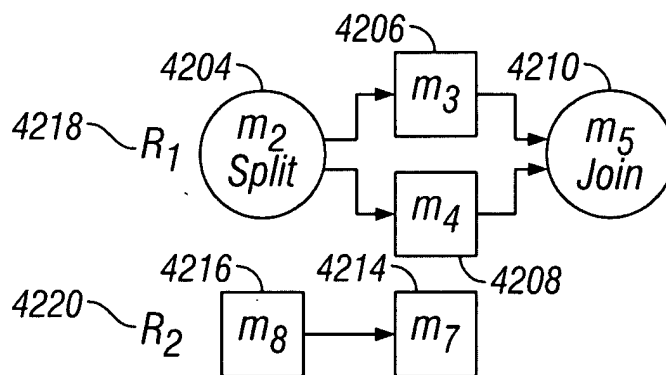


FIG. 42A

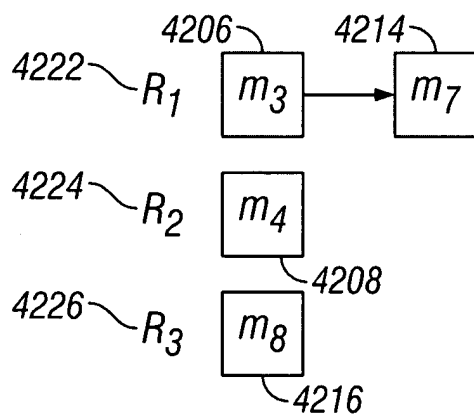


FIG. 42B

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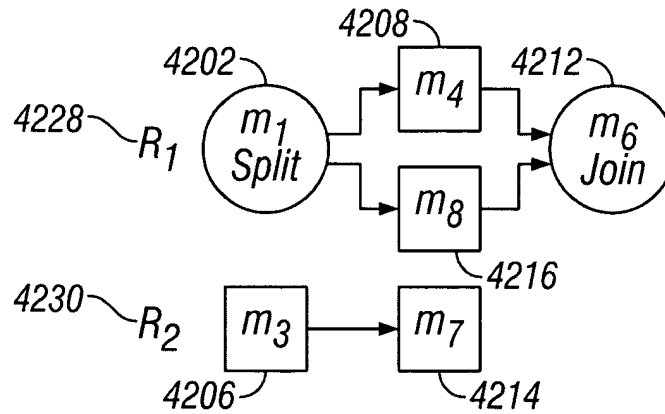


FIG. 42C

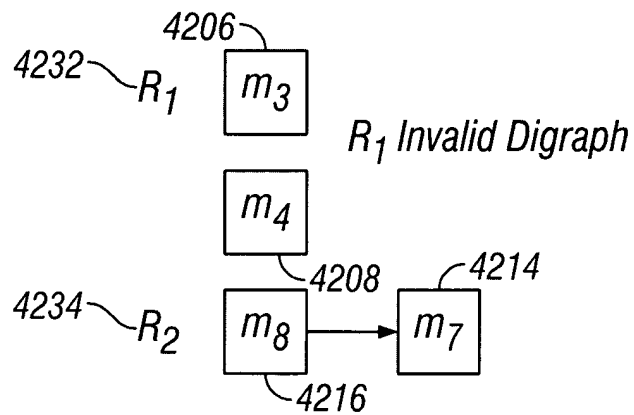


FIG. 42D

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4300

Row- Index (i)	Column-Index (j)					
	1	2	...	k-1	k	...
1	$m_{1,1}$	$m_{1,2}$...	$m_{1,k-1}$	$m_{1,k+1}$	$m_{1,m}$
2	$m_{2,1}$	$m_{2,2}$...	$m_{2,k-1}$	$m_{2,k+1}$	$m_{2,m}$
...
k-1	$m_{k-1,1}$	$m_{k-1,2}$	...	$m_{k-1,k-1}$	$m_{k-1,k+1}$	$m_{k-1,m}$
k	$m_{k+1,1}$	$m_{k+1,2}$...	$m_{k+1,k-1}$	$m_{k+1,k+1}$	$m_{k+1,m}$
k+1	$m_{k+2,1}$	$m_{k+2,2}$...	$m_{k+2,k-1}$	$m_{k+2,k+1}$	$m_{k+2,m}$
...
r	$m_{m,1}$	$m_{m,2}$...	$m_{m,k-1}$	$m_{m,k+1}$	$m_{m,m}$

4308

FIG. 43

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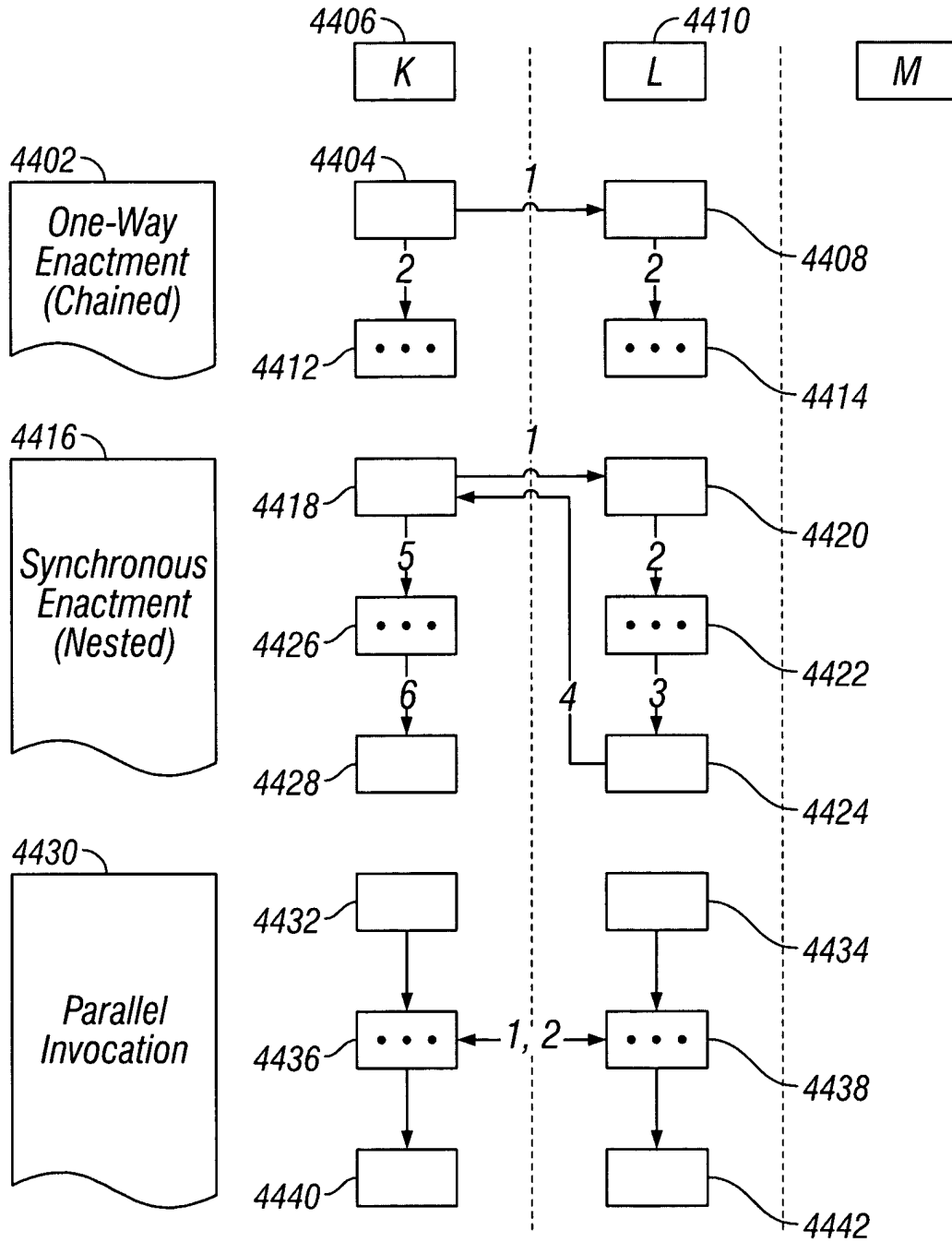


FIG. 44

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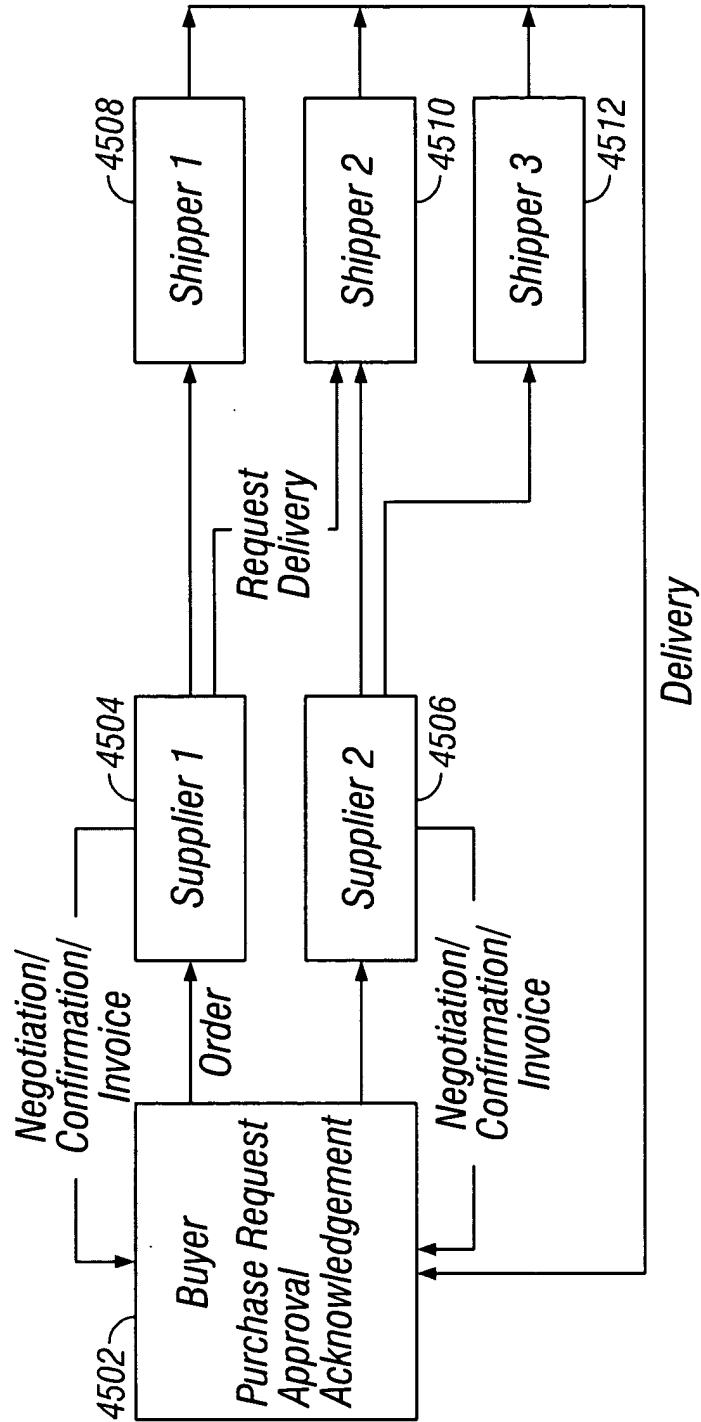


FIG. 45

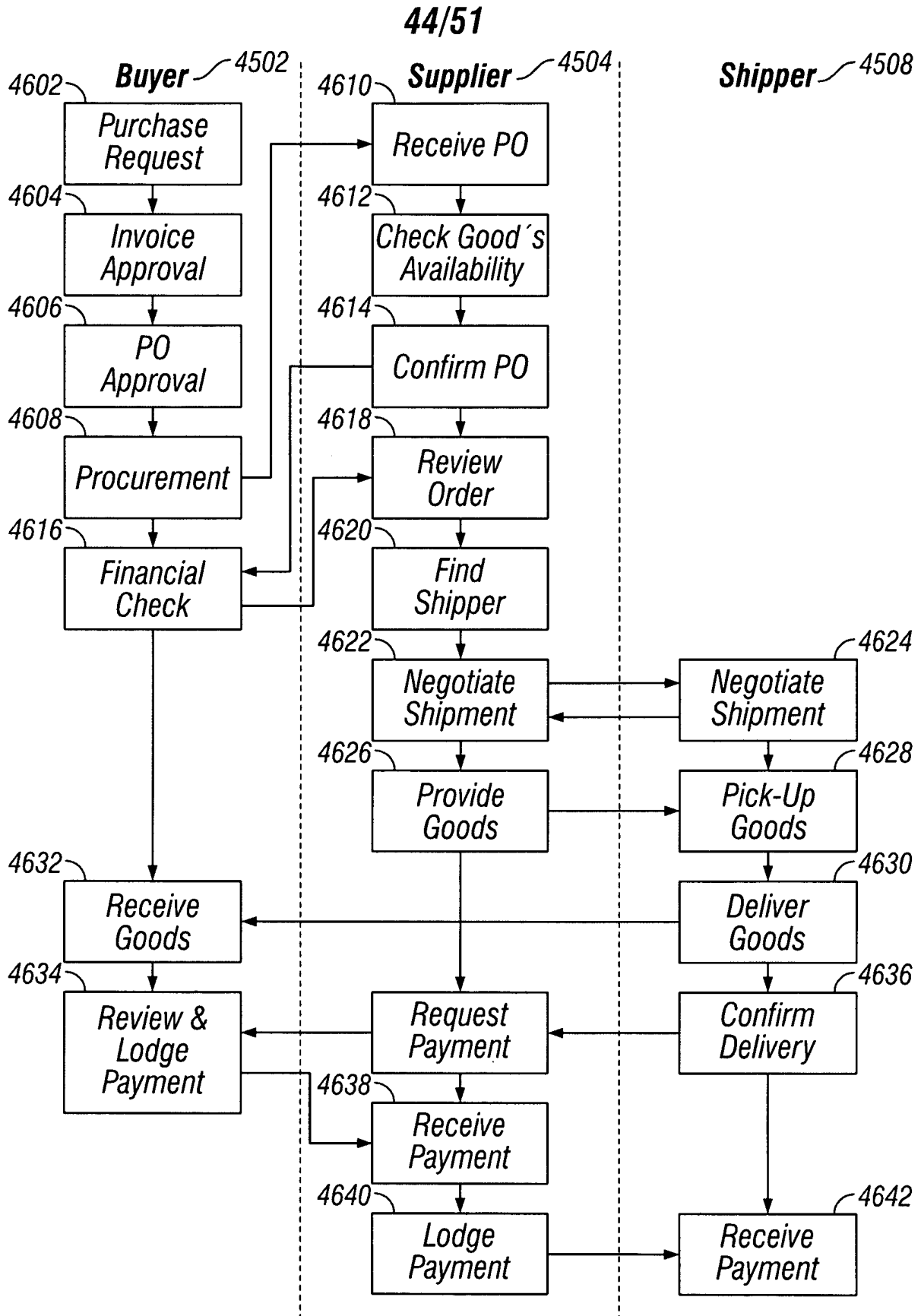
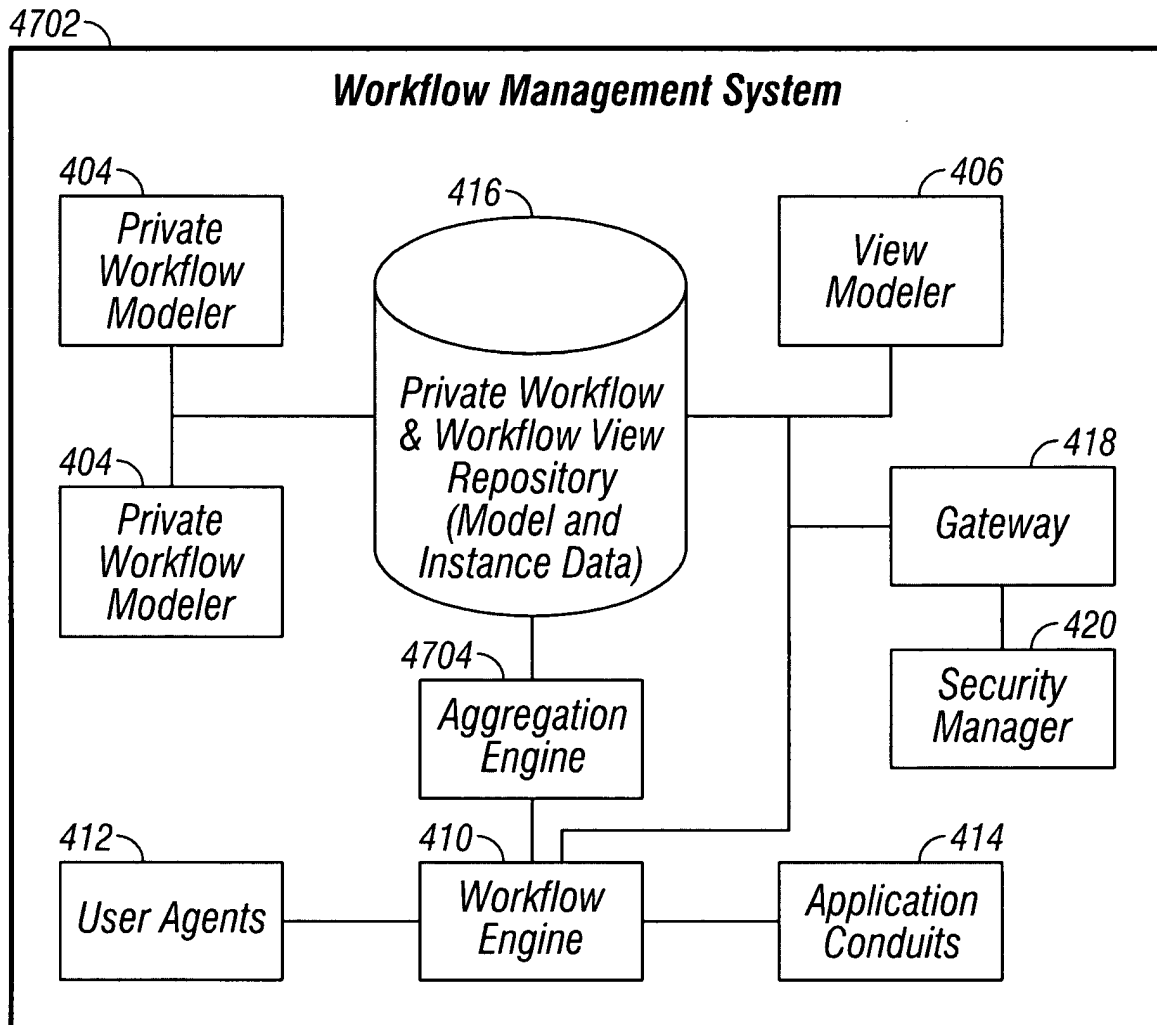


FIG. 46

45/51**FIG. 47**

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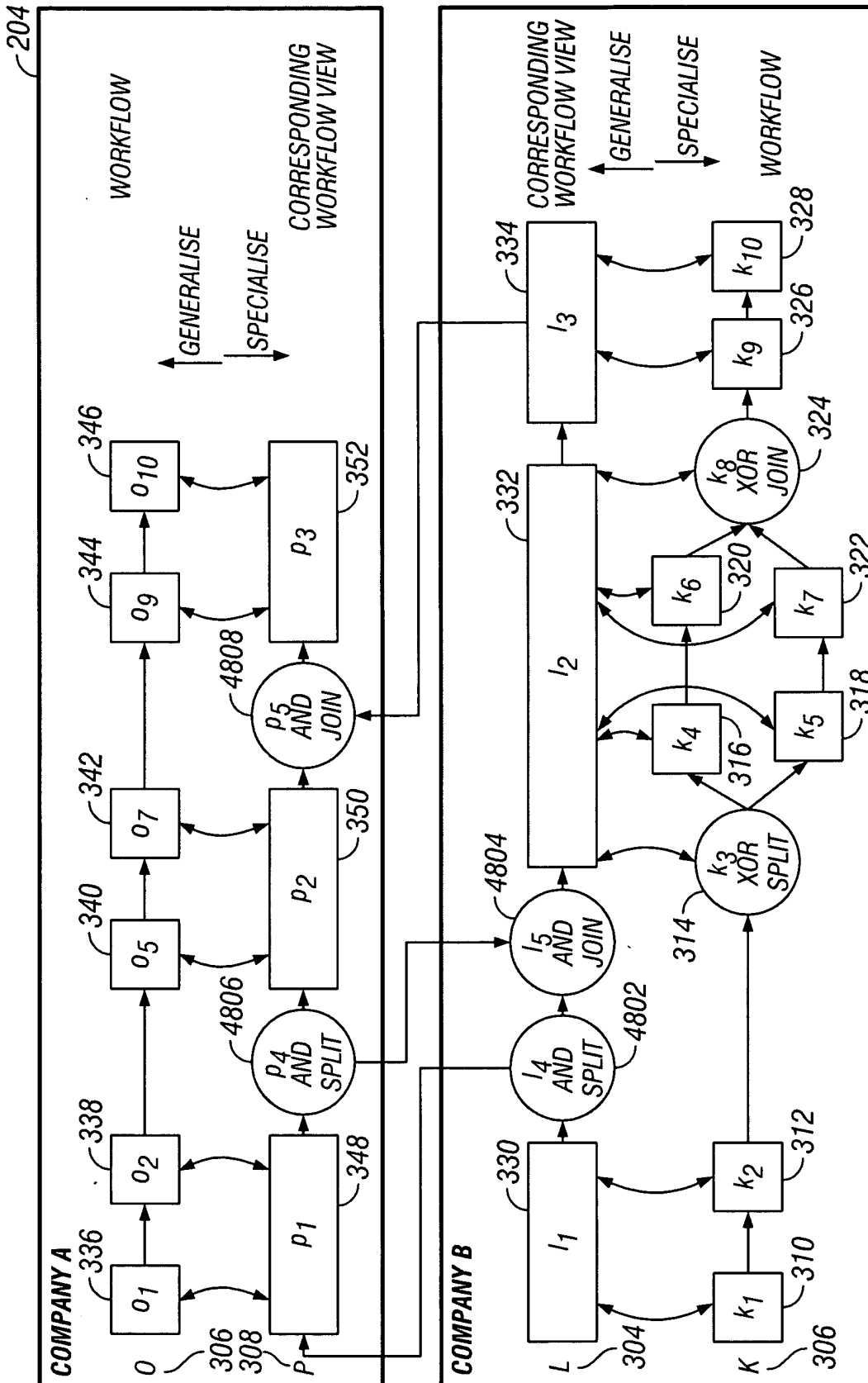


FIG. 48

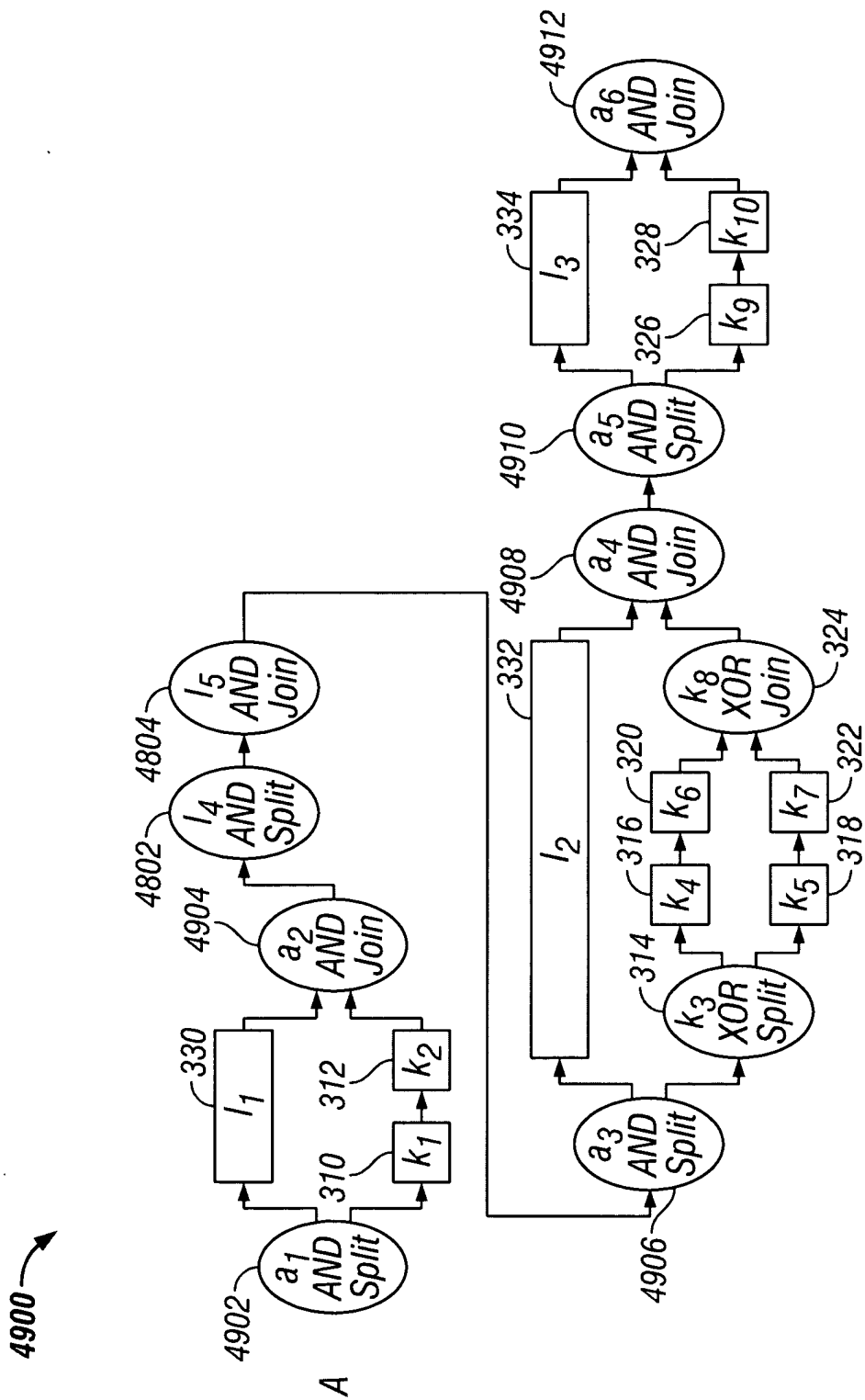


FIG. 49

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5000

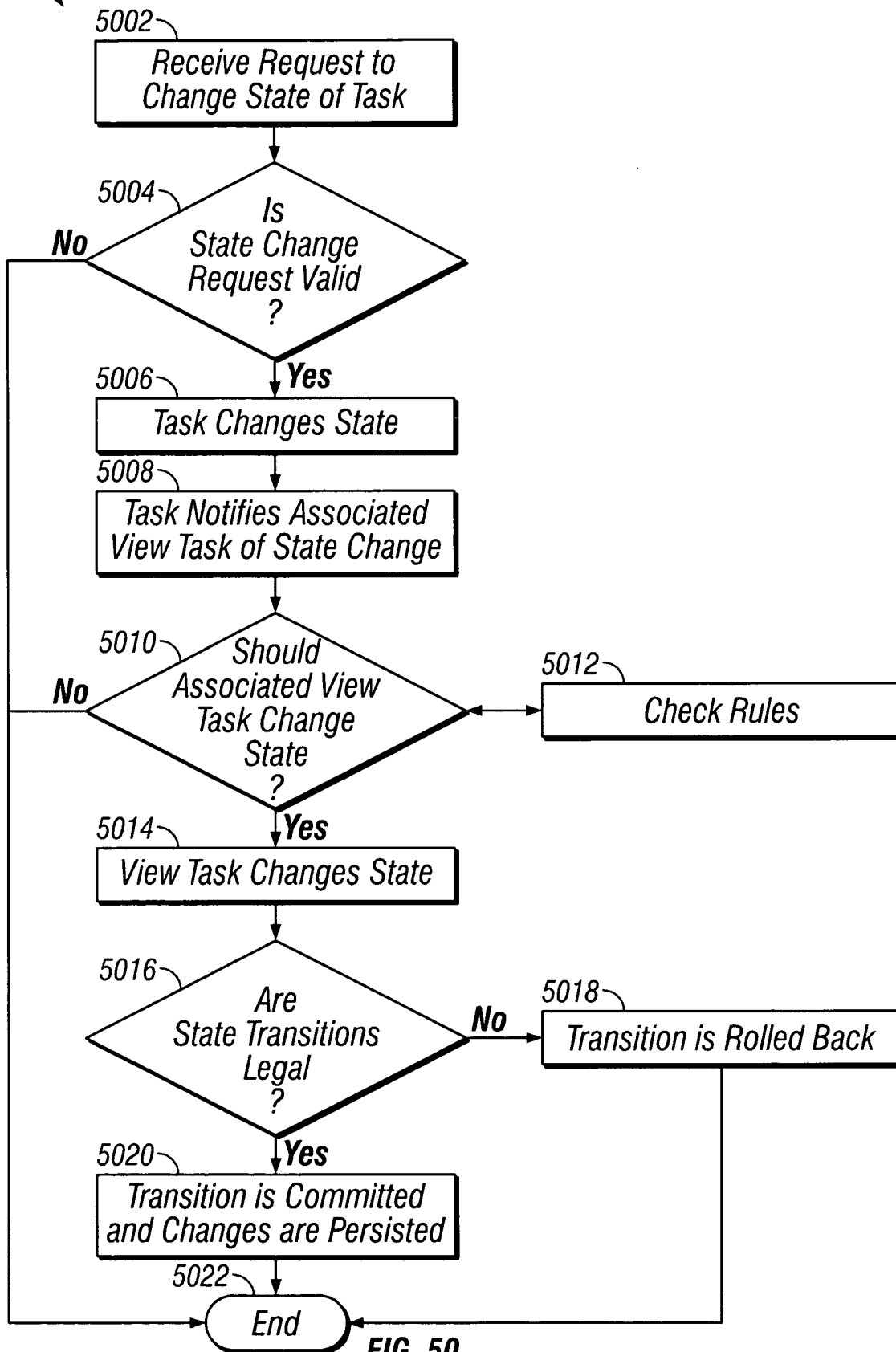
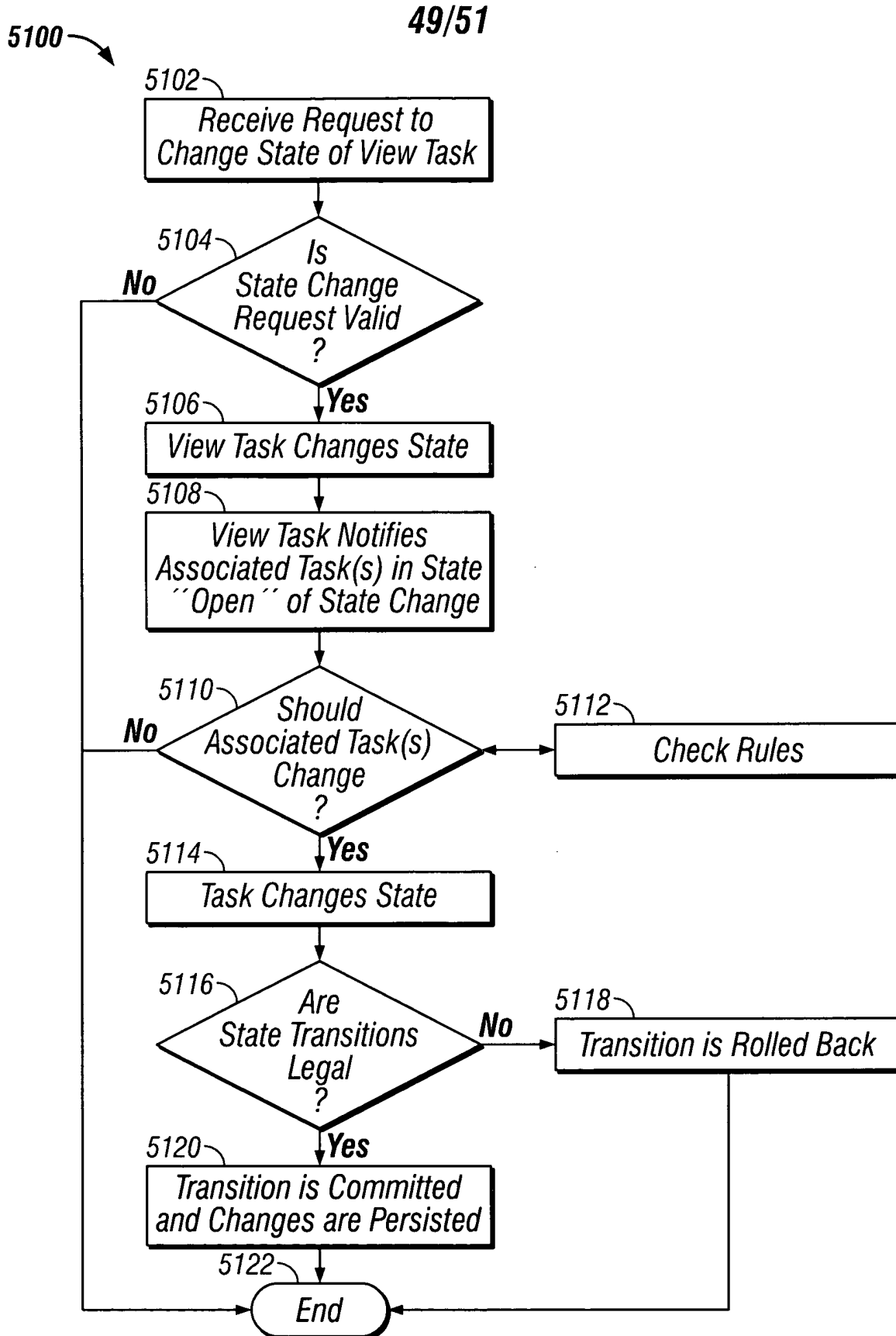


FIG. 50



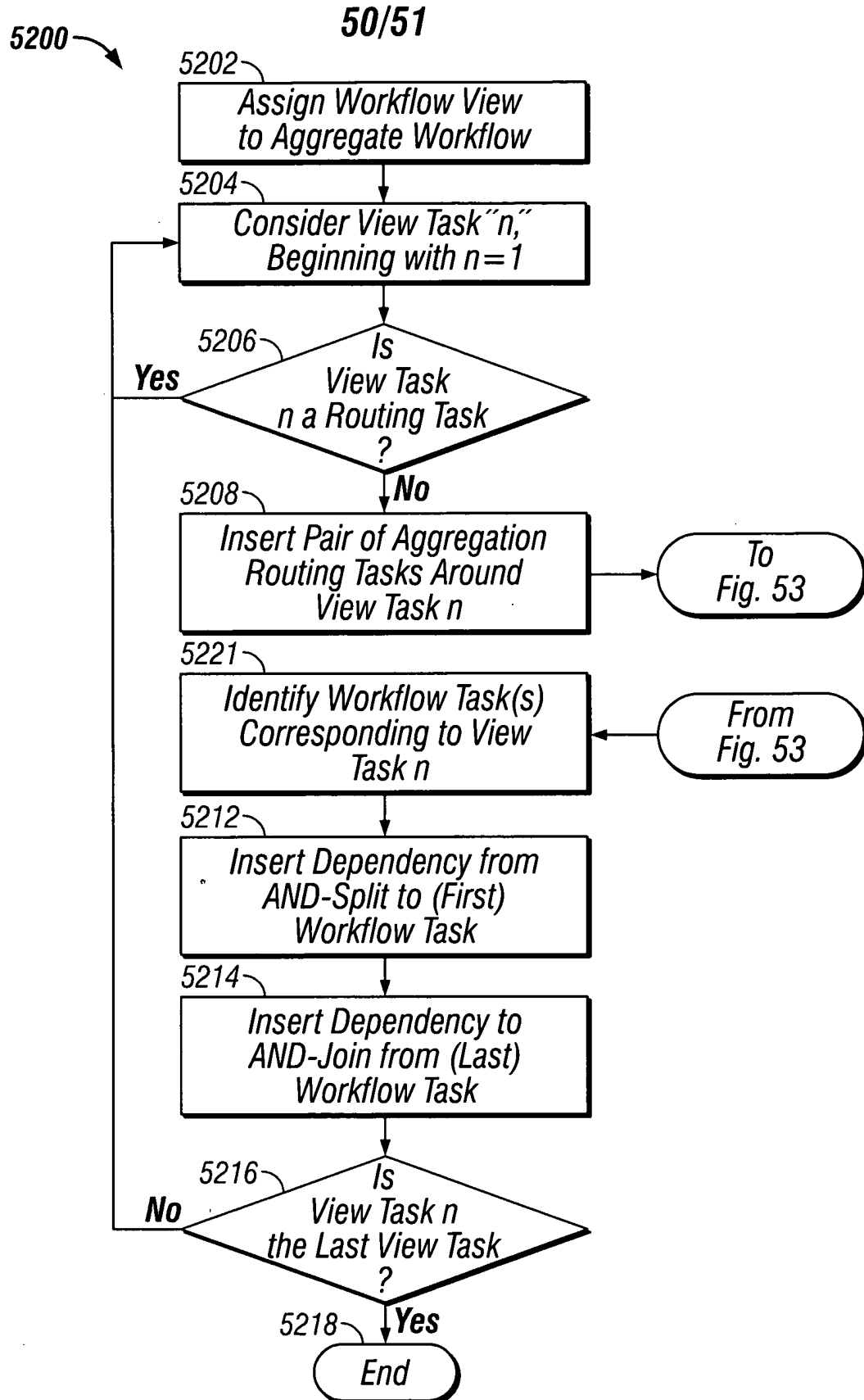
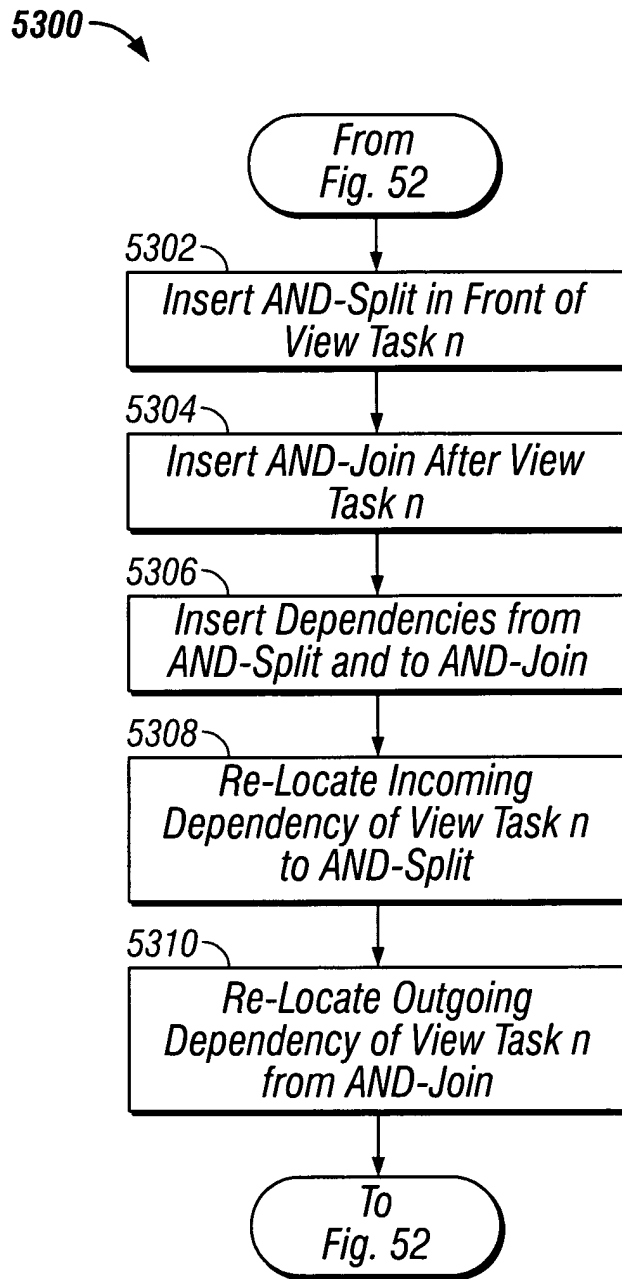


FIG. 52

51/51**FIG. 53**